



VAR CATALOGUE 2020/21  
Australia & New Zealand





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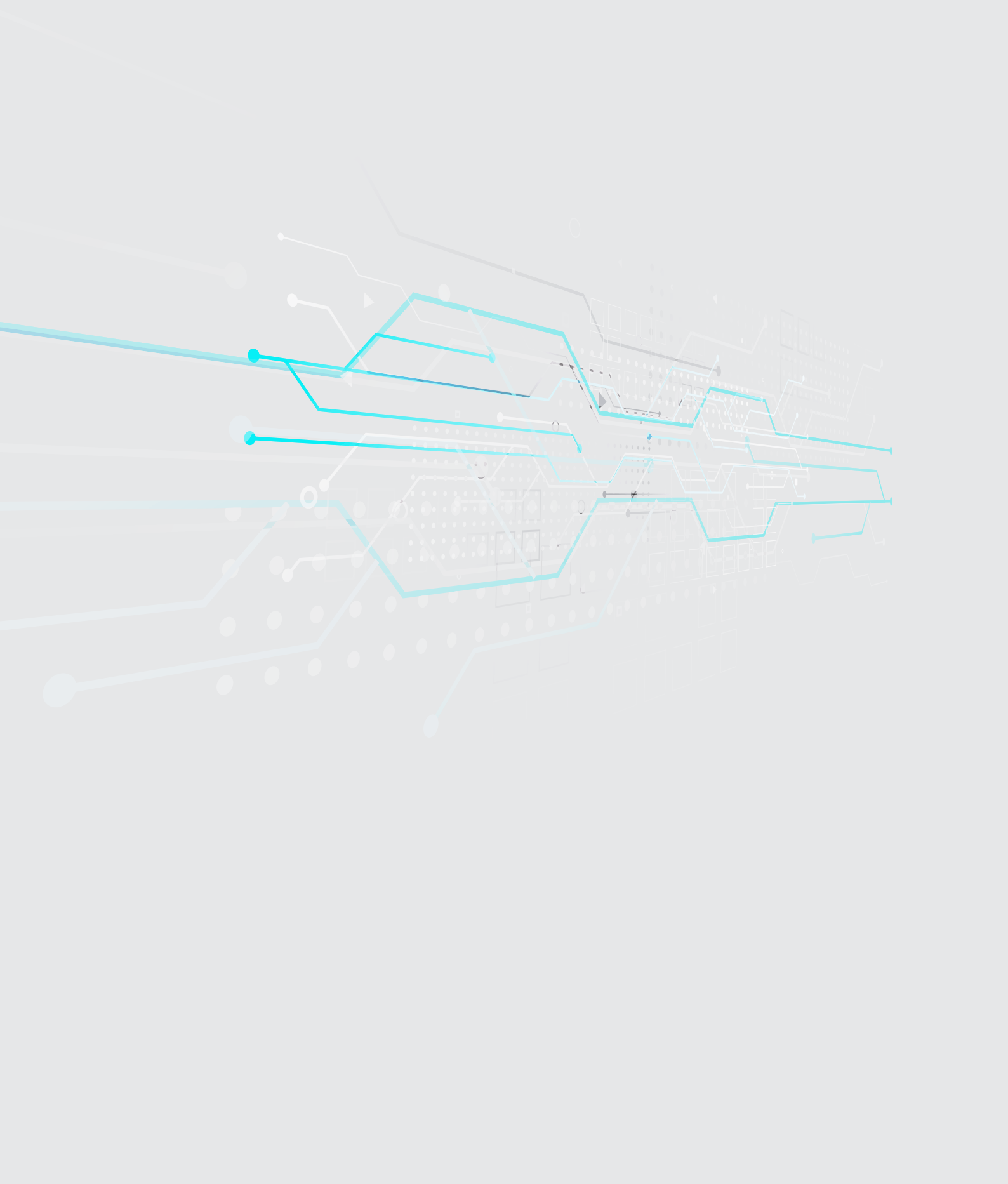
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# CHAPTER 1.

Access Control Software Products



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## OnGuard Access™ Software Media

In an effort to be environmentally friendly and reduce our carbon footprint, Lenel will no longer ship an OG-MEDIA-KIT containing the DVD's UNLESS SPECIFIED on the VAR Software Reporting Form. This will cover all items starting with SWS-xxx; OG-32ES-xxxx; and PCS-xxx. Lenel will no longer ship any media with its software client purchases either; products covered start with SWC-xxx and PCC-xxx Software is available for download as an ISO image from [www.lenel.com](http://www.lenel.com)

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## OnGuard Software Ordering Information

For all SWS and PCS items VAR-SP End User Information - Certification Form is required. For all SWC and PCC items, OnGuard System ID required unless purchasing with new system.

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## OnGuard Access™ Solutions

OnGuard 32ES is an access control solution using a Microsoft Windows operating system with a SQL or Oracle database. The standard security server provides support for up to 25,000 cardholders and up to 32 card access readers. OnGuard 32ES can be expanded to accommodate up to five additional client PCs and up to 64 card access readers.

PART	DESCRIPTION
<b>Software Only</b>	
<a href="#">SWS-32ES</a>	OnGuard 32ES Server Software License – OnGuard Server software license includes; System Administration; Alarm Monitoring; Map Designer; License Server; Comm. Server; Video Verify Support; E-mail Support; Guard Tour; Login Driver; Account Linkage; support for up to 32 card access readers and first year support plan for new systems. (SOFTWARE IS SUPPORTED ON PC-CONFIG#3 PLATFORM)
<a href="#">SWC-32ES</a>	OnGuard 32ES Client Software License – OnGuard Client software license includes; System Administration; Alarm Monitoring; Map Designer and Login Driver. (SOFTWARE IS SUPPORTED ON PC-CONFIG#6 PLATFORM) Browser Based Clients also available for OnGuard version 7.4 and higher.

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## OnGuard 32ES Access Control Entry Packages

OnGuard 32ES Access Control Entry Packages include all software and hardware for a two [2] door, four [4] door, eight [8] door or sixteen [16] door access control system. The entry level access control solution supports Microsoft Windows OS and uses a SQL Express database (see Compatability Charts for your OnGuard version). The standard security server provides support for up to 25,000 cardholders and up to 32 card access readers. OnGuard 32ES can be expanded to accommodate up to five additional client PCs and up to 64 card access readers.

### Entry Packages - Complete Systems (Mobile Credential enabled)

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**OG-32ES-2EP2** OnGuard 32ES 2 Door Server Software Entry package - includes OnGuard Server software license [1] SWS-32ES; OnGuard CredentialCenter Client software [1] SWC-IDES; [1] LNLX2220 intelligent system controller; [1] LNL-OLS75ACTX power supply with enclosure; [2] LNL-R11330-05TB BlueDiamond Mobile mini-mullion readers; [100] LNL-EV28KPP DESFire EV2 Pre-Programmed access cards and first year support plan for new systems.

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**OG-32ES-M-4EP2** OnGuard 32ES 4 Door Server Software Entry package - includes OnGuard Server software license [1] SWS-32ES; OnGuard CredentialCenter Client software [1] SWC-IDES; [1] LNLX2220 intelligent system controller; [1] LNL-1320-S3 two door interface module; [1] LNLALS75ACTX power supply with enclosure; [4] LNL-R11330-05TB BlueDiamond Mobile minimullion readers; [100] LNL-EV28KPP DESFire EV2 Pre-Programmed access cards and first year support plan for new systems.

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**OG-32ES-M-8EP2** OnGuard 32ES 8 Door Server Software Entry package - includes OnGuard Server software license [1] SWS-32ES; OnGuard CredentialCenter Client software [1] SWC-IDES; [1] LNLX2220 intelligent system controller; [3] LNL-1320-S3 two door interface module; [1] LNLAL600ULX-4CB6 power supply with enclosure; [8] LNL-R11330-05TB BlueDiamond Mobile mini-mullion readers; [100] LNL-EV28KPP DESFire EV2 Pre-Programmed access cards and first year support plan for new systems.

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**OG-32ES-M-16EP2** OnGuard 32ES 16 Door Server Software Entry package - includes OnGuard Server software license [1] SWS-32ES; OnGuard CredentialCenter Client software [1] SWC-IDES; [1] LNL-X2220 intelligent system controller; [7] LNL-1320-S3 two door interface module; [1] LNL-AL600ULX-4CB6 power supply with enclosure; [1] LNL-CTX6 enclosure; [16] LNLR11330-05TB BlueDiamond Mobile mini-mullion readers; [100] LNL-EV28KPP DESFire EV2 Pre-Programmed access cards and first year support plan for new systems.

### Entry Packages - No Cards or Readers

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**OG-32ES-2NCR2** OnGuard 32ES 2 Door Server Software Entry package - includes OnGuard Server software license [1] SWS-32ES; OnGuard CredentialCenter Client software [1] SWC-IDES; [1] LNLX2220 intelligent system controller; [1] LNL-OLS75ACTX power supply with cabinet and first year support plan for new systems.

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**OG-32ES-M-4NCR2** OnGuard 32ES 4 Door Server Software Entry package - includes OnGuard Server software license [1] SWS-32ES; OnGuard CredentialCenter Client software [1] SWC-IDES; [1] LNLX2220 intelligent system controller; [1] LNL-1320-S3 two door interface module; [1] LNLALS75ACTX power supply with enclosure and first year support plan for new systems.

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**OG-32ES-M-8NCR2** OnGuard 32ES 8 Door Server Software Entry package - includes OnGuard Server software license [1] SWS-32ES; OnGuard CredentialCenter Client software [1] SWC-IDES; [1] LNLX2220 intelligent system controller; [3] LNL-1320-S3 two door interface module; [1] LNLAL600ULX-4CB6 power supply with enclosure and first year support plan for new systems.

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**OG-32ES-M-16NCR2** OnGuard 32ES 16 Door Server Software Entry package - includes OnGuard Server software license [1] SWS-32ES; OnGuard CredentialCenter Client software [1] SWC-IDES; [1] LNL-X2220 intelligent system controller; [7] LNL-1320-S3 two door interface module; [1] LNL-AL600ULX-4CB6 power supply with enclosure; [1] LNL-CTX-6 enclosure and first year support plan for new systems.



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## OnGuard Access Solutions

OnGuard ADV is an access control solution using a Microsoft Windows operating system with a SQL or Oracle database. The standard security server supports up to 64 card access readers and 50,000 cardholders but this number can be increased, by increasing the hard drive capacity and licensing. OnGuard ADV can be expanded to accommodate up to ten additional client PCs and up to 256 card access readers.

**NOTE:**

(Additional readers licenses can be ordered, see Reader Capacity Upgrades for ADV Systems).

### Software Only [Use these parts + PC CONFIGURATION #5F if you plan to do redundancy with ADV level]

#### SWS-ADV

OnGuard ADV Server Software License – OnGuard Server software license includes: System Administration; Alarm Monitoring; Map Designer; License Server; Comm. Server; Video Verify Support; E-mail Support; Guard Tour; Login Driver; Account Linkage; support for up to 64 card access readers and first year support plan for new systems. (SOFTWARE IS SUPPORTED ON PC-CONFIG#3 PLATFORM)

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#### SWC-ADV

OnGuard ADV Client Software License – OnGuard Client software license includes; System Administration; Alarm Monitoring; Map Designer and Login Driver.

Browser Based Clients also available for OnGuard version 7.4 and higher

OnGuard PRO is an access control solution using a Microsoft Windows operating system with a SQL or Oracle database. The standard server supports up to 128 card access readers and 100,000 cardholders, however this number can be increased by increasing the hard drive capacity and licensing. OnGuard PRO can accommodate an unlimited number of additional client PCs as well as an unlimited number of card access readers. The PCS-PRO is designed to be a networked, dedicated server with no peripherals connected to the server.

### Software Only

#### SWS-PRO

OnGuard PRO Server Software License – OnGuard Server software license includes; System Administration; Alarm Monitoring; Map Designer; License Server; Comm. Server; Video Verify Support; E-mail Support; Guard Tour; Login Driver; Account Linkage; support for up to 128 card access readers and first year support plan for new systems.

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#### SWC-ADV

OnGuard ADV Client Software License – OnGuard Client software license includes; System Administration; Alarm Monitoring; Map Designer and Login Driver.

Browser Based Clients also available for OnGuard version 7.4 and higher

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## OnGuard Identity Management Solutions

OnGuard IDES is an Identity Management Solution using a Microsoft Windows operating system with a SQL or Oracle database. The standard server provides support for up to 25,000 cardholders. OnGuard IDES can be expanded to accommodate up to five additional client PCs.

**NOTE:**

(See Image Capture Options for input devices and Direct Card Printers for printing options)

### Software Only

**SWS-IDES**

OnGuard IDES Server Software – OnGuard Server software license includes; ID Credential Center Application; Badge Designer Application; Image Capture; ID Printing; License Server; Cardholder Image Export; Login Driver; Enhanced Imaging Option (ChromaKey and Ghosting) and first year support plan for new systems. (SOFTWARE IS SUPPORTED ON PC-CONFIG#3 PLATFORM)

**SWC-IDES**

OnGuard IDES Client Software License – OnGuard Client software license includes; ID Credential Center Application; Badge Designer Application; Image Capture; ID Printing; Enhanced Imaging Option (ChromaKey and Ghosting) and Login Driver. (SOFTWARE IS SUPPORTED ON PC-CONFIG#6 PLATFORM)  
Browser Based Clients also available for OnGuard version 7.4 and higher.

OnGuard IDADV is an Identity Management Solution using a Microsoft Windows operating system with a SQL or Oracle database. The standard server provides support for up to 50,000 cardholders but this number can be increased by increasing the hard drive capacity. OnGuard IDADV can be expanded to accommodate up to ten additional client PCs.

### Software Only

**SWS-IDADV**

OnGuard IDADV Server Software – OnGuard Server software license includes; ID Credential Center Application; Badge Designer Application; Image Capture; ID Printing; License Server; Cardholder Image Export; Login Driver; Enhanced Imaging Option (ChromaKey and Ghosting) and first year support plan for new systems. (SOFTWARE IS SUPPORTED ON PC-CONFIG#3 PLATFORM)

**SWC-IDADV**

OnGuard IDADV Client Software License – OnGuard Client software license includes; ID Credential Center Application; Badge Designer Application; Image Capture; ID Printing; Enhanced Imaging Option (ChromaKey and Ghosting) and Login Driver. (SOFTWARE IS SUPPORTED ON PC-CONFIG#6 PLATFORM)  
Browser Based Clients also available for OnGuard version 7.4 and higher

## OnGuard Identity Management Solutions cont...

OnGuard IDPRO is an Identity Management Solution using a Microsoft Windows operating system with a SQL or Oracle database. The standard server provides support for up to 100,000 cardholders but this number can be increased by increasing the hard drive capacity and licensing. OnGuard IDPRO can accommodate an unlimited number of additional client PCs. The PCS-IDPRO is designed to be a networked, dedicated server with no peripherals connected to the server.

**NOTE:**

(See Image Capture Options for input devices and Direct Card Printers for printing options)

### Software Only

**SWS-IDPRO**

OnGuard IDPRO Server Software License – OnGuard Server software license includes; ID Credential Center Application; Badge Designer Application; Image Capture; ID Printing; License Server; Cardholder Image Export; Login Driver; Enhanced Imaging Option (Chromakey and Ghosting) and first year support plan for new systems. (SOFTWARE IS SUPPORTED ON PC-CONFIG#5 PLATFORM)

**SWC-IDADV**

OnGuard IDADV Client Software License – OnGuard Client software license includes; ID Credential Center Application; Badge Designer Application; Image Capture; ID Printing; Enhanced Imaging Option (Chromakey and Ghosting) and Login Driver. (SOFTWARE IS SUPPORTED ON PC-CONFIG#6 PLATFORM)  
Browser Based Clients also available for OnGuard version 7.4 and higher

## Integrated OnGuard Access Control & Identity Management Solutions

OnGuard 32ESI is an integrated OnGuard Access Control and Identity Management solution using a Microsoft Windows operating system with a SQL or Oracle database. The standard server provides support for up to 25,000 cardholders and up to 32 card access readers. OnGuard 32ESI can be expanded to accommodate up to five additional client PCs and up to 64 card access readers.

**NOTES:**

(Field Hardware can only be attached to the PCS-32ESI PC in the 32ESI system) (See Image Capture Options for input devices and Direct Card Printers for printing options)

### Software Only

**SWS-32ESI**

OnGuard 32ESI Server Software License – OnGuard Server software license includes; System Administration; Alarm Monitoring; Map Designer; License Server; Comm. Server; Video Verify Support; E-mail Support; Guard Tour; Login Driver; Account Linkage; support for up to 32 card access readers; ID Credential Center Application; Badge Designer Application; Image Capture; ID Printing; License Server; Cardholder Image Export; Login Driver; Enhanced Imaging Option (Chromakey and Ghosting) and first year support plan for new systems. (SOFTWARE IS SUPPORTED ON PC-CONFIG#3 PLATFORM).

**SWC-32ESI**

OnGuard 32ESI Client Software License - OnGuard Client software license includes; System Administration; Alarm Monitoring; Map Designer; Login Driver; ID Credential Center Application; Badge Designer Application; Image Capture; ID Printing; Cardholder Image Export and Enhanced Imaging Option (Chromakey and Ghosting). (SOFTWARE IS SUPPORTED ON PC-CONFIG#6 PLATFORM)  
Browser Based Clients also available for OnGuard version 7.4 and higher.

## Integrated OnGuard Access Control & Identity Management Solutions cont...

OnGuard ADVI is an integrated OnGuard Access Control and Identity Management system solution using a Microsoft Windows operating system with a SQL or Oracle database. The standard server supports up to 64 card access readers and 50,000 cardholders but this number can be increased by increasing the hard drive capacity and licensing. OnGuard ADVI can be expanded to accommodate up to ten additional client PCs and up to 256 card access readers.

### NOTES:

(Additional reader licenses can be ordered - see Reader Capacity Upgrades for ADV Systems) (See Image Capture Options for input devices and Direct Card Printers for printing options)

### Software Only

#### SWS-ADVI

OnGuard ADVI Server Software License- OnGuard Server software license includes; System Administration; Alarm Monitoring; Map Designer; License Server; Comm. Server; Video Verify Support; E-mail Support; Guard Tour; Login Driver; Account Linkage; support for up to 64 card access readers; ID Credential Center Application; Badge Designer Application; Image Capture; ID Printing; License Server; Cardholder Image Export; Login Driver; Enhanced Imaging Option (ChromaKey and Ghosting) and first year support plan for new systems. (SOFTWARE IS SUPPORTED ON PC-CONFIG#3 PLATFORM)

#### SWC-ADVI

OnGuard ADVI Client Software License – OnGuard Client software license includes; System Administration; Alarm Monitoring; Map Designer; Login Driver; ID Credential Center Application; Badge Designer Application; Image Capture; ID Printing; Cardholder Image Export and Enhanced Imaging Option (ChromaKey and Ghosting). (SOFTWARE IS SUPPORTED ON PC-CONFIG#6 PLATFORM) Browser Based Clients also available for OnGuard version 7.4 and higher

**OnGuard PROI** is an integrated OnGuard Access Control and Identity Management system solution using a Microsoft Windows operating system with a SQL or Oracle database. The standard server supports up to 128 card access readers and 100,000 cardholders but this number can be increased by increasing the hard drive capacity and licensing. OnGuard PROI can accommodate an unlimited number of additional client PCs and an unlimited number of card access readers. The PCS-PROI is designed to be a networked, dedicated server with no peripherals connected to the server.

Lenel's standard server configuration for all PRO and ENTERPRISE systems is a PDC (Primary Domain Controller). Servers can be setup as a WORKGROUP upon written request on a per order basis.

### NOTES:

(Additional reader licenses can be ordered, see Reader Capacity Upgrades for PRO Systems) (See Image Capture Options for input devices and Direct Card Printers for printing options)

### Software Only

#### SWS-PROI

OnGuard PROI Server Software License – OnGuard Server software license includes; System Administration; Alarm Monitoring; Map Designer; License Server; Comm. Server; Video Verify Support; E-mail Support; Guard Tour; Login Driver; Account Linkage; support for up to 128 card access readers; ID Credential Center Application; Badge Designer Application; Image Capture; ID Printing; License Server; Cardholder Image Export; Login Driver; Enhanced Imaging Option (ChromaKey and Ghosting) and first year support plan for new systems. (SOFTWARE IS SUPPORTED ON PC-CONFIG#5 PLATFORM).

#### SWC-ADVI

OnGuard ADVI Client Software License – OnGuard Client software license includes; System Administration; Alarm Monitoring; Map Designer; Login Driver; ID Credential Center Application; Badge Designer Application; Image Capture; ID Printing; Cardholder Image Export and Enhanced Imaging Option (ChromaKey and Ghosting). (SOFTWARE IS SUPPORTED ON PC-CONFIG#6 PLATFORM) Browser Based Clients also available for OnGuard version 7.4 and higher.

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## Mobile Badging

Mobile Badging Client License is a software client that supports mobile badging functionality using a local [replicated] cardholder database. Full functionality to modify cardholders via ID Credential Center and Replication Administration included. This can be loaded on to a laptop and brought into the field to be re-connected back to the main server at a later time to add cardholders in a quicker and easier fashion.

NOTE: Can be run on ADV, PRO or Enterprise systems.

### Mobile Badging Client [Software Only]

SWC-MOB-IDNH

Mobile Badging (Distributed Id) Station Client System Software License – support mobile badging functionality using a local (replicated) cardholder database. OnGuard Client software licenses includes: Replication Administration; ID Credential Center Application; Badge Designer Application; Image Capture; ID Printing; Cardholder Image Export and Enhanced Imaging Option (ChromaKey and Ghosting).

## OnGuard Enterprise

OnGuard Enterprise Solution is a Multi-Site Data Synchronization Architecture that utilizes an Enterprise Database Server that contains a master copy of all data located at each of the Regional server site(s). Each geographical region (as determined by the customer) contains a Regional Server as well as any number of client workstations connected to Regional Servers through a LAN.

The Regional Server contains a copy of all "core" information obtained from the Enterprise Server. This includes cardholders, credential, badge types, card formats, etc. The Regional Server also contains the entire local operating information for that site. Local operating information includes all access control field hardware information, access levels, time zones, holidays, and monitor zones. Each regional site is treated as a separate segment within the system.

The OnGuard Enterprise architecture is a unique, fully integrated security management system solution designed to work using a Microsoft Windows operating system with a SQL or Oracle database. The standard full OnGuard Enterprise architecture supports up to 100,000 cardholders and 128-card readers per Region. The PCSENTMAS1 and PCS-ENTREG1 are designed to be networked, dedicated database servers.

### SPECIAL NOTES

1. Lenel's standard server configuration for all PRO and ENTERPRISE systems is a PDC (Primary Domain Controller). Servers can be setup as a WORKGROUP upon written request on a per order basis.
2. Additional reader licenses can be ordered, see Reader Capacity Upgrades for PRO/ENT Systems)
3. All OnGuard Enterprise systems purchased must include the purchase of the PES Enterprise Planning Session that covers pre-deployment planning services. Please submit a request for quote at [firesecuritycs@carrier.com](mailto:firesecuritycs@carrier.com)

### Enterprise Master Servers – Software Only

**SWS-ENTMAS-LT** OnGuard Enterprise Lite Server Software License – OnGuard Server software license includes; System Administration; Alarm Monitoring; Map Designer; License Server; Comm. Server; Replication Administration; Database Segmentation; Video Verify Support; E-mail Support; Guard Tour; Login Driver; Account Linkage; support for up to 64 local card access readers; ID Credential Center Application; Badge Designer Application; Image Capture; ID Printing; License Server; Cardholder Image Export; Login Driver; Enhanced Imaging Option (Chromakey and Ghosting); support for up to 8 Regions and first year support plan for new systems. NOTE: support for card access readers are based on regional server(s) card reader capacities with a maximum number of 512 readers total per Master-LT. MUST BE SENT TO LENEL FOR CONFIGURATION (SOFTWARE IS SUPPORTED ON PCCONFIG#5 PLATFORM)

**SWS-ENTMAS1** OnGuard Enterprise Server Software License – OnGuard Server software license includes; System Administration; Alarm Monitoring; Map Designer; License Server; Comm. Server; Replication Administration; Database Segmentation; Video Verify Support; E-mail Support; Guard Tour; Login Driver; Account Linkage; support for up to 128 local card access readers; ID Credential Center Application; Badge Designer Application; Image Capture; ID Printing; License Server; Cardholder Image Export; Login Driver; Enhanced Imaging Option (Chromakey and Ghosting); support for up to 10 Regions and first year support plan for new systems. MUST BE SENT TO LENEL FOR CONFIGURATION (SOFTWARE IS SUPPORTED ON PC-CONFIG#5 PLATFORM)

### Enterprise Regional Server Capacity Upgrades (Software-only, Servers Separate)

**SWS-ENTMAS-LT** Additional Regional Server Licenses for ENTMAS1 Master Servers – Allows for an additional 10 regions to be added to the Enterprise Master.[MAX of 1 purchase before Professional Engineering Services needs to be engaged about your system]

**SWS-ENTMAS1** Additional Regional Server Licenses for ENTMAS-LT Master Servers – Allows for 8 additional regions (16 total) to be added to the Enterprise Master (ENTMAS-LT only).[MAX OF 1 Purchase for ENTMAS-LT systems]

## Enterprise Regional Servers – Software Only

MUST BE SENT TO LENEL FOR CONFIGURATION

**SWS-ENTREG-SM** OnGuard Regional SM [small] Server Software License - OnGuard Server software license includes; System Administration; Alarm Monitoring; Map Designer; License Server; Comm. Server; Replication Administration; Database Segmentation; Video Verify Support; E-mail Support; Guard Tour; Login Driver; Account Linkage; support for up to 16 card access readers [optional 16 reader upgrade available]; ID Credential Center Application; Badge Designer Application; Image Capture; ID Printing; License Server; Cardholder Image Export; Login Driver; Enhanced Imaging Option (ChromaKey and Ghosting) and first year support plan for new systems. (SOFTWARE IS SUPPORTED ON PC-CONFIG#3PLATFORM)

**SWS-ENTREG-LT** OnGuard Regional Lite Server Software License - OnGuard Server software license includes; System Administration; Alarm Monitoring; Map Designer; License Server; Comm. Server; Replication Administration; Database Segmentation; Video Verify Support; E-mail Support; Guard Tour; Login Driver; Account Linkage; support for up to 64 card access readers; ID Credential Center Application; Badge Designer Application; Image Capture; ID Printing; License Server; Cardholder Image Export; Login Driver; Enhanced Imaging Option (ChromaKey and Ghosting) and first year support plan for new systems. (SOFTWARE IS SUPPORTED ON PC-CONFIG#5 PLATFORM)

**SWS-ENTREG1** OnGuard Regional Dedicated Server Software License - OnGuard Server software license includes; System Administration; Alarm Monitoring; Map Designer; License Server; Comm. Server; Replication Administration; Database Segmentation; Video Verify Support; E-mail Support; Guard Tour; Login Driver; Account Linkage; support for up to 128 card access readers; ID Credential Center Application; Badge Designer Application; Image Capture; ID Printing; License Server; Cardholder Image Export; Login Driver; Enhanced Imaging Option (ChromaKey and Ghosting) and first year support plan for new systems.(SOFTWARE IS SUPPORTED ON PC-CONFIG#5 PLATFORM)

## OnGuard VAR Demonstration Software

THIS PACKAGE IS NOT FOR RESALE TO END USERS AND IS INTENDED FOR USE ONLY BY AUTHORIZED LENEL RESELLERS FOR DEMONSTRATING ONGUARD.

The OnGuard Demonstration Software (SWS-DEMO) license includes

- (1) OnGuard Access Control Server License
- (1) Digital Video Server License
- (1) System Administration Client
- (1) Alarm Monitoring Client License
- (1) ID Credential Center License
- (1) Digital Video Client License
- (16) Reader Licenses
- (1) License for every software option Lenel currently offers with OnGuard, and
- (8) LNVR channel Licenses.

Demo Licenses will also include

- (1) each of OnGuard Browser Clients (Credentials, Monitor, Access Manager, and Visitor) and
- (1) 3rd Party Authentication,
- as well as the (1) Cardholder Self Service, OnGuard Confidential Information

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## Computer Hardware Options

All PC minimum requirements are subject to change based on equipment availability & industry standards).

### OnGuard Servers

#### PC-CONFIG#4G

CONFIGURATION # 4G – WORKSTATION PC Dell Precision R7920 2U Rackmount Workstation - Intel Xeon Bronze 3106 (8C/8T, 1.7GHZ, 9.6GT/S, 11MB, 85W); 16GB (2X8GB) 2666MHZ DDR4 RDIMM ECC; DVD +/-RW, SATA, Internal; 500GB 7.2k RPM 2.5 Serial ATA Hard Drive; C1 SATA/SSD 2.5", 1-8 HD; Windows 10 IOT Enterprise 2016 Embedded (OS media not included, no recovery CD); Intel I350 (4x1Gbit) Quad Port Network card; Sliding Ready Rails without Cable Management Arm and 3 year limited warranty

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#### PC-CONFIG#5G

CONFIGURATION #5G - SERVER PC: (PRO, ENTREG1 and ENTMA51 Systems) Dell PowerEdge R740 (2U Rackmount) – INTEL XEON SILVER 4108 (8C/16T, 1.8GHZ, 11MB CACHE - 9.6GT/S); 120/220V 750Watt Redundant Power Supply; 16GB - RDIMM - 2666MHZ [2x8GB RDIMMS]; DVD+/-RW Drive; 1x8 Backplane for 2.5-inch Hard Drives; (2) M.2 240GB OS Drives (RAID 1); (5) 300GB 15K RPM SAS 12Gbps 2.5in Hotplug Hard Drives (RAID 5); PERC H740 Integrated RAID Controller - 1GB Cache; iDRAC9 Enterprise; Broadcom 5720 QP 1Gb Network Daughter Card; Windows Server 2016 Standard Edition x64 - 0 CALS (See product #500103 for pricing on additional CALs); ReadyRails Slid with Cable Management Arm and 3 year limited warranty.

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### OnGuard Client Workstations

#### PC-CONFIG#3F

CONFIGURATION # 3F - WORKSTATION PC  
DELL PRECISION T5820 MID-TOWER; INTEL XEON W-2104 CPU (4C, 5.5MB, 4T, 3.2GHZ, 120W); 8GB (1 X 8GB) 2666MHZ DDR4 RDIMM ECC; 8X DVD+/-RW; 500GB 2.5INCH SERIAL ATA (7.200 RPM) HARD DRIVE; NVIDIA NVS 315 (1GB DMS59 TO DVI-I ADAPTER); WINDOWS 10 IOT ENTERPRISE 2015 EMBEDDED (OS MEDIA NOT INCLUDED, NO RECOVERY CD); RJ45 ETHERNET PORT; INTERNAL CHASSIS SPEAKERS; (6) USB 2.0 PORTS; (4) USB 3.0 PORTS; (1) SERIAL PORT; USB KEYBOARD/MOUSE; 3 YEAR LIMITED WARRANTY

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#### PC-CONFIG#6J

CONFIGURATION # 6J – Small Form Factor Client PC:  
DELL OPTIPLEX 3070 SMALL FORM FACTOR; INTEL CORE I3-9100 PROCESSOR (4 CORE, 6MB, 4T, 3.6-4.2GHZ, 65W); WINDOWS 10 IOT; INTEL INEGRATED GRAPHICS;; DELL OPTIPLEX (490-BBFG); DELL ADAPTER, DISPLAYPORT TO DCVI (470-AANH); 4GB (1X4G) DDR4 2666MHZ UDIMM; 2.5 INCH 500GB 7200RPM HARD DISK DRIVE; 80PLUS BRONZE POWER SUPPLY; 3 YEAR LIMITED WARRANTY WITH DELL BASIC SUPPORT PLAN

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#### PC-CONFIG#7G

DELL PRECISION T5820 Mid-Tower, High Performance; INTEL® XEON® W-2123 CPU (4C, HT, 3.6 GHZ TURBO, 5.5M); 16GB (2X8GB) 2666MHZ; DDR4 RDIMM-ECC; 685W power supply; 16X DVD+/-RW; 512GB 2.5" Serial ATA Solid State Drive; AMD WX 9100 Highend Video Card; Intel AHCI chipset SATA controller (8x6.0Gb/s) - SW RAID 0/1/5/10; C3 SATA/SSD 2.5"-2 HD; Windows 10 IOT Enterprise 2015 Embedded (OS media not included, no recovery CD); RJ45 Ethernet port; Internal Chassis Speakers; (6) USB 2.0 ports, (4) USB 3.0 ports; (1) Serial port; USB keyboard/mouse; 3 year limited warranty



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## OnGuard View Only Client Software Licenses

The OnGuard View Only Client Workstation software licenses include the ability to view and search the OnGuard Cardholder Database. This license does not include any image capture, printing, or system administration capabilities. This product is available as software only client license. Customers requiring Edit functionality should purchase ID Credential Center (SWC-IDES, or SWC-IDADV).

The following products are available on the ES based systems only.

### View Client Workstations

SWC-VIEW1ES      **View Client Workstation Software License - Single License Pack**

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The following products are available on the ADV, PRO or Enterprise based systems only

### View Client Workstations

SWC-VIEW1ADV      **View Client Workstation Software License - Single License Pack ( \* )**

SWC-VIEW5      **View Client Workstation Software License - 5 License Pack ( \* )**

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The following products are available on PRO or Enterprise based systems only

### View Client Workstations

SWC-VIEW10      **View Client Workstation Software License - 10 License Pack ( \* )**

SWC-VIEW25      **View Client Workstation Software License - 25 License Pack ( \* )**

SWC-VIEW50      **View Client Workstation Software License - 50 License Pack ( \* )**

SWC-VIEW100      **View Client Workstation Software License - 100 License Pack ( \* )**

(\*) SQL Client Cost Included

## OnGuard Visitor Management and Visitor Self Service

OnGuard Visitor Management is designed for all sizes of organisations and allows them to manage and track visitors. Once logged in from desktop or tablet, users can add visitors, capture photos, schedule visits, assign employee hosts, and send e-mail notifications to all parties regarding the scheduled visit.

The Visitor Self Service (VSS) iPad app add-on allows the visitor to sign-in and sign-out their visit themselves from the device, reducing the impact to the customer's reception/security attendant.

With OnGuard 7.5, we now offer a 'new' Visitor Management Suite that uses the latest components of our OnGuard Visitor environment. This suite consists of the OnGuard Visitor (browser-based) client, Cardholder Self Service Visitor Host web module, and the Visitor Self Service iPad(R) app. While purchased separately, using these components together provides the user experience and value as a Visitor Management Solution.

### NOTE:

As a new browser client, the OnGuard Visitor browser-based client is designed to support common Visitor use cases but does not currently support all functionality available in prior versions. Customers requiring support of the following functions: Scan and Capture of ID's, Customization of Visitor Badges and Access per Visitor, and Bulk Visitor Enrollment, should look to use or remain on our prior IDVM Front Desk Clients at this time.

**For OnGuard Systems prior to 7.5:** OnGuard versions prior to 7.5 can support Visitor Management using the IDVM (Identity Visitor Management) applications that have previously been available. The applications consist of IDVM Visitor Front Desk and IDVM Visit Host, and can share the support of the Visitor Self Service iPad app.

### OnGuard Visitor Management (browser-clients) with OnGuard 7.5

OCP-OVM-ES	Non-expiring license for (1) OnGuard Visitor client and Visitor Management for 32ES OnGuard systems. Purchase requires OnGuard 7.5 or higher. Allows unlimited number of visits. DOES NOT include CSS Visitor Host or Visitor Self Service (must be purchased separately).
OCP-OVM-ADV	Non-expiring license for (2) OnGuard Visitor client and Visitor Management for ADV OnGuard systems. Purchase requires OnGuard 7.5 or higher. Allows unlimited number of visits. DOES NOT include CSS Visitor Host or Visitor Self Service (must be purchased separately).
OCP-OVMPRO/ENT	Non-expiring license for (3) OnGuard Visitor client and Visitor Management for Pro and Enterprise OnGuard systems. Purchase requires OnGuard 7.5 or higher. Allows unlimited number of visits. DOES NOT include CSS Visitor Host or Visitor Self Service (must be purchased separately).
OCP-OVC-ADD-1	Enables an additional OnGuard Visitor Client to extend an existing OnGuard Visitor Management system. Includes: Non-expiring license for (1) OnGuard Visitor client. Purchase requires OnGuard 7.5 or higher and that System has OnGuard Visitor Management License enabled.

## Visitor Self Service iPad tablet License

SSM-VSS	12 month license for [1] Visitor Self Service Module (iPad Only Support). iPad not included. Quantity should be for total number of configured tablets. Requires at least one IDVM front desk license on the OnGuard server. iPad not included.
SSR-VSS	12 month renewal license for Qty 1 SSM-VSS. Quantity must match number of existing SSMVSS licenses. Maximum total subscription is 3 years. iPad not included.
LSM-VSS	Non-expiring license for [1] Visitor Self Service Module (iPad Only Support). iPad not included. Quantity should be for total number of configured tablets. Requires at least one IDVM front desk license on the OnGuard server. iPad not included.

## Conversion of Existing IDVM Front Desk Client Licenses to OnGuard Visitor (Browser) Client Licence

For OnGuard customers converting from earlier OnGuard versions to OnGuard version 7.5 and up, LenelS2 will allow the following licenses to be converted on a 1:1 basis from existing IDVM Front Desk to OnGuard Visitor Browser Client licenses. Note that once licenses are converted, they CANNOT be converted back to Windows Client licenses. Therefore, we recommend only converting a portion of your licenses until you determine the correct mix of Windows and browser clients for your application.

CONIDVMFD2OVC	Client License Count (1 Client Seat) Conversion of IDVM Front Desk (IDVM-FD) to OnGuard Visitor browser client add-on (OCP-OVC-ADD-1). DOES NOT include conversion to enable CSS Visitor Host (must be purchased separately).
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## IDVM Visitor Management with OnGuard (Supports OnGuard 7.5 and prior versions)

For OnGuard customers using OnGuard 7.5 or prior versions that require the IDVM Visitor Management support or are looking to extend their IDVM Visitor environment, the following options are available.

IDVM-ES-FD	Enables OnGuard Visitor Management for OnGuard ES system. Includes one (1) Front Desk Admin Client user license, unlimited number of visitor hosts and visits.
IDVM-ADV-FD	Enables OnGuard Visitor Management for OnGuard ADV system. Includes two (2) Front Desk Admin Client user licenses, unlimited number of visitor hosts and visits.
IDVM-PRO/ENTFD	Enables OnGuard Visitor Management for OnGuard PRO or ENT system. Includes three (3) Front Desk Admin Client user licenses, unlimited number of visitor hosts and visits.
IDVMFRONTDESK	Adds one (1) additional Front Desk Admin Client license to any of the IDVM FD licenses described above.

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## OnGuard 3rd Party User Authentication (OpenID® Connect Integration)

OnGuard 3rd Party Authentication allows for authentication of OnGuard Users through the use of a third party product. Within the OnGuard System, the administrator can create a Directory Connection (similar to the process used for Active Directory or LDAP) that is capable of using the OpenID Connect (OIDC) Standard for authentication through a provider outside of OnGuard. This license does not include any content from the authentication provider system, but allows for the creation of an OpenID Connect-based directory connection that can be used for OnGuard.

One license count is required for each OpenID Connect directory to be configured

### ORDERING INFORMATION:

For new systems, please refer to the SUSP section of this price book to determine support tier, and order the matching 3rd Party Authentication part number(s) below, based on system type and reader capacity. For existing systems with a SUSP, use the same tier(s) as used by your SUSP.

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### 3rd Party (OpenID) User Authentication for 32ES Systems

**LSM-3PA-ES** Non-expiring license for a single OnGuard 3rd Party Authentication (OIDC) directory connection for an OnGuard 32ES system. Requires OnGuard 7.5 or higher and active SUSP-W-ES support plan at the time of purchase.

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### 3rd Party (OpenID) User Authentication for ADV Systems

**LSM-3PA-ADV** Non-expiring license for a single OnGuard 3rd Party Authentication (OIDC) directory connection for an OnGuard ADV system. Requires OnGuard 7.5 or higher and active SUSP-ADV-TR-1, TR-2, Or TR-3 support plan at the time of purchase.

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### 3rd Party (OpenID) User Authentication for PRO Systems

**LSM-3PA-PRO-A** Non-expiring license for a single OnGuard 3rd Party Authentication (OIDC) directory connection for an OnGuard PRO Tier 1 or 2 size system. Requires OnGuard 7.5 or higher and active SUSPPRO-TR-1 or TR-2 support plan at the time of purchase.

**LSM-3PA-PRO-B** Non-expiring license for a single OnGuard 3rd Party Authentication (OIDC) directory connection for an OnGuard PRO Tier 3 or 4 size system. Requires OnGuard 7.5 or higher and active SUSPPRO-TR-3 or TR-4 support plan at the time of purchase.

**LSM-3PA-PRO-C** Non-expiring license for a single OnGuard 3rd Party Authentication (OIDC) directory connection for an OnGuard PRO Tier 5 size system. Requires OnGuard 7.5 or higher and active SUSPPRO-TR-5 support plan at the time of purchase.

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## OnGuard 3rd Party User Authentication (OpenID® Connect Integration) cont...

### 3rd Party (OpenID) User Authentication for Enterprise and Enterprise Lite Systems

OnGuard 3rd Party Authentication is purchased for the Enterprise System and installed at the Master. OpenID Connect Directories will replicate to all regions for use within the Enterprise.

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#### LSM-3PA-MAS

Non-expiring license for a single OnGuard 3rd Party Authentication (OIDC) directory connection for an OnGuard Enterprise Master (ENTMAS1) size system. Requires OnGuard 7.5 or higher and active SUSP-ENT-MAS support plan at the time of purchase.

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#### LSM-3PA-MAS-LT

Non-expiring license for a single OnGuard 3rd Party Authentication (OIDC) directory connection for an OnGuard PRO Tier 5 size system. Requires OnGuard 7.5 or higher and active SUSP-WENT-MAS-LT support plan at the time of purchase.

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## OnGuard Area Access Manager

The OnGuard Area Access Manager module has been designed for the business manager who needs to make decisions about employee access to secure areas such as research labs, server rooms, etc. This application allows any manager to make basic yet important changes to the access control system's functionality without requiring extensive knowledge of how the system is configured.

Specifically, OnGuard Area Access Manager allows any manager who has previously been given privileges to the OnGuard system to grant or remove, personnel access to areas. OnGuard Area Access Manager supports any industry standard network protocol and topologies including Ethernet TCP/IP. OnGuard Area Access Manager runs as part of your OnGuard Access Control application on your server and is available on all Windows XP/2003/2008/Vista and Windows 7 based systems.

OnGuard Area Access Manager can be deployed on a full client workstation or deployed as a web enabled application, allowing access to the program from a standard web browser.

### Area Access Manager Options

SWG-RAM1	OnGuard Area Access Manager software license for any OnGuard servers – includes 1 concurrent user license (this item is Not available on any Entry System (PCS-32ES, PCS-32ESI or PCS-IDES).
SWG-RAM5	OnGuard Area Access Manager software license for any OnGuard Server – includes up to 5 concurrent user licenses (this item is Not available on any Entry System (PCS-32ES, PCS-32ESI or PCS-IDES).
SWG-RAM10	OnGuard Area Access Manager software license for ADV or PRO servers – includes up to 10 concurrent user licenses (this item is Not available on any Entry System (PCS-32ES, PCS-32ESI or PCS-IDES).
SWG-RAM25	OnGuard Area Access Manager software license for PRO servers – includes up to 25 concurrent user licenses (this item is Not available on any Entry System (PCS-32ES, PCS-32ESI or PCS-IDES).
SWG-RAM50	OnGuard Area Access Manager software license for PRO servers – includes up to 50 concurrent user licenses (this item is Not available on any Entry System (PCS-32ES, PCS-32ESI or PCS-IDES).
SWG-RAM100	OnGuard Area Access Manager software license for PRO servers – includes up to 100 concurrent user (this item is Not available on any Entry System (PCS-32ES, PCS-32ESI or PCSIDES).

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## OnGuard Asset - Asset Management Software (Options)

OnGuard Asset Control combines powerful transaction based architecture with a unique hardware design to deliver real-time asset management, asset tracking and personnel control in conjunction with OnGuard Solutions. Due to the mobility of today's workforce, the management and tracking of assets has become increasingly difficult for facilities, human resource, and IT managers. OnGuard Asset is an available option for all OnGuard system solutions.

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### SWG-AMES-8

OnGuard ES Asset Software License Option – includes asset control software license for 32ES and 32 ESI software products.

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### SWG-AMADV-8

OnGuard ADV Asset Software License Option – includes asset control software license for 64ADV and 64ADVI software products.

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### SWG-AMPRO-8

OnGuard PRO Asset Software License Option – includes asset control software license for PRO and PROI software products.

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### SWG-AMENT-8

OnGuard Regional Asset Software License Option – includes asset control software license for Enterprise Regional software products.

## OnGuard Software Options

### Systems Wide Software Options

SWG-1120	OnGuard Mustering Software Option
SWG-1225	DataExchange – Global Data Import/Export Utility
SWG-1210	OnGuard FormsDesigner (User definable Fields)
SWG-1250	Automatic Alarm Export, provides an output text file for configured alarms. The text file can be pulled into a third party application to report on alarm conditions.
SWG-1340	Intercom Communication Interface for OnGuard- check compatibility chart for intercom systems.
SWG-1350	Fire Alarm Panel Comm Interface for OnGuard- check compatibility chart for panel support.
SW5-VSA	OnGuard Alert Management Software License – includes global server software license for the Visonic communications interface (Requires SWG-1355 per SLC-5).
SWG-1355	Visonic Technologies SLC-5 – Communications device driver per SLC-5 controller (includes 255 bus transmitters) (requires SW5-VSA).
SWG-1410	Central Station Receiver Interface – communication software for central station receivers, must order one SWG-1410 for each receiver. Check compatibility chart for central station receivers.
SWG-1450	Intrusion Panel Support Option (per panel) - check compatibility chart for panel support. NOTE: This license is primarily for older systems. New licensing method, is specific to panel manufacturer. It is not required to have both. So a NEW system would have Intrusion specific licenses below that have a numeric suffix (SWG-1450-x) such as DMP intrusion panels (e.g. SWG-1450-3).
SWG-1450-3	DMP Intrusion Panel Support Option (per panel) - check compatibility chart for panel support. Note: This is an OAAP Addon provided by Custom Solutions. The addon must be downloaded.
SWG-LP	Language Pack Module - Supported Language Packs can be found for each specific version of OnGuard at <a href="https://www.lenel.com/support/downloads/onguard">https://www.lenel.com/support/downloads/onguard</a>
SWG-1475	INTELLI-CHECK Software communications interface option per unit option
SWG-1476	OnGuard CSSN Scanner Option. For support of CSS-800 and 1000 series scanners. One license is required per scanner.
SWG-1600	Barco Wall Integration (per Video Stream).
SWG-1800-PL	Partner Access Device License for ANY electronic locks PURCHASED through Lenel and attached to an OnGuard system [REQUIRED license for all Third Party Locks][one license per lock].
SWG-1800-N-PL	Partner Access Device License for ANY electronic locks NOT PURCHASED through Lenel and attached to an OnGuard system [REQUIRED license for all Third Party Locks][one license per lock].



## Biometric - Iris - Handkey Licenses

SWG-1400	OnGuard Schlage Hand Geometry Interface Global Software Option for OnGuard - for ID3D, Handkey CR and Handkey II Readers
SWG-1402	Bioscrypt and Integrated Engineering interface for Fingerprint authentication option
SWG-1407	CrossMatch/Sagem-Morpho - Finger Print Capture. Captures 500PPI images, ANSI378 templates, and Idemia-Morpho PKCOMP templates (also for OSDP panel-based biometrics and legacy Lenel/HID bioCLASS support).
SWG-1415	BioConnect/Suprema SW interface for biometric fingerprint authentication option [Includes DataConduIT - SWG-1140]. Not required for panel based OSDP biometrics - Order SWG-1407 for OSDP Panel Based Template applications
SWG-IRIS	IrisAccess Software Interface option for OnGuard ES, ADV and PRO Solutions.
SWG-IRIS-ENT	IrisAccess Software Interface option for OnGuard ENT Solutions. This license is required for each region in which LG Iris templates will be enrolled.

## HID Custom Key Software Option

SWG-1490	HID Custom Key Generator Software Option – includes the ability to create site specific custom iCLASS/MIFARE keys for customer cards encoded with HID Access Control or HID MIFARE applications, it also includes the ability to create HID Corporate 1000 site specific formats. This is a per card encoding cost. (note – this option requires either a standalone HID Programmer or an inline HID programmer unit from Lenel).
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## Terminal Client and Citrix Support Option [Pricing DOES NOT include Citrix License]

SWG-1360	OnGuard support for Remote Desktop Protocol; Citrix Support [see compatibility chart for versions] and Terminal Services for 32ES, ADV, and PRO Level solutions [DOES NOT INCLUDE CITRIX].
SWG-1370	OnGuard support for Remote Desktop Protocol; Citrix Support [see compatibility chart for versions] and Terminal Services for any Enterprise level solutions [DOES NOT INCLUDE CITRIX].

## Only Available On ADV, PRO or Enterprise Systems

SWG-1240 Database Segmentation [included with all Regional and Master server licenses]

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## Seamless Elevator Entry Devices

SWG-1610 Seamless Elevator Entry Devices - Integration to Elevator Destination Systems (applicable to Otis Compass V1/V2/V3 and OAAP Partners). One license is required for each Elevator Dispatching Device to be configured within OnGuard. For Otis Compass; each DES/DER controller needs a license. Otis Compass V1/V2 support is available with OnGuard 6.5 and newer; V3 requires OnGuard 6.6 SP2 or higher. Call for support on Older OnGuard Versions. For OAAP Partners; this can apply to physical devices or virtual groups that need to be configured, please reference the OAAP webpage for specific licenses required.

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SWG-ELEVRDR-08 Seamless Elevator Reader License (8 Readers) – Integrated Reader License (applicable to Otis CompassPlus V3). This license is to be used specifically with Elevator Dispatching Systems with Integrated Card Readers that connect directly to the Elevator Controller and DO NOT require connection to an access controller. Available with Otis CompassPlus in OnGuard 6.6 SP2 and newer. A Number of reader licenses should be purchased to support the number of Integrated Card Readers (Terminal Readers) connected directly to the Elevator Controllers. This count is maintained separate of typical online readers. In an Enterprise environment a count is needed for each region using these devices. Sold in packs of 8 Reader Licenses.

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## OPC and SNMP Options

SWG-1460-1 OPC Data Access Server Allows external OPC client access to OnGuard data sources. One license is required for each 3rd party OPC client connection to OnGuard. (includes one DataConduit connection SWG-1140)

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SWG-1460-2 OPC Alarms and Events Server Allows external OPC clients to view OnGuard Alarms and Events. One license is required for each 3rd party OPC client connection to OnGuard. (includes one DataConduit connection SWG-1140)

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SWG-1465 OPC Client Option Allows all OnGuard Alarm Monitoring workstations to accept alarms and events from external OPC servers that comply with the industry OPC standard for alarms and events. This option allows for unlimited 3rd party OPC server connections to OnGuard.

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SWG-1480 OnGuard SNMP Manager software support option is for applications that run from a monitoring center and used to monitor a number of SNMP agents. This option does not require DataConduit.

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SWG-1485 OnGuard SNMP Agent with message queue option supports a single hardware and/or software applications that are reporting to an SNMP Manager with OnGuard being the Agent. (includes one DataConduit connection SWG-1140).

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SWG-1485-5 OnGuard SNMP Agent with message queue option supports five hardware and/or software applications that are reporting to an SNMP Manager with OnGuard being the Agent. (includes one DataConduit connection SWG-1140).

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### Enable support for Lenel M Series Hardware (LNL-3300-M5, Legacy CASI Bridge Hardware)

SWG-1635 Enable Support for Lenel M Series and ACU Series Hardware Allows LNL-3300-M5, LNL-3300-ACUXL, and LNL-2240-RS4 access panels and reader & alarm panels to be configured within the OnGuard System.

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### Enable OnGuard to communicate with legacy Honeywell Access Control Hardware

SWG-1640 Enable Support for Bilingual DLL in OnGuard Allows OnGuard to directly communicate with Honeywell PW5000 & PW 6000 type access control platforms. A license required for OnGuard Server/Regional Server that needs to communicate to Honeywell panels.

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### CMS/IMS Server Options

SWG-1500 Card Management Server Option (Required for ActivIdentity Server integration) – Select the number of Certificates that will be linked between OnGuard and ActivIdentity.

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ISG-CMS500 Integration for encoding 500 ActivIdentity Certificates

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ISG-CMS1K ISG-CMS1K Integration for encoding 1,000 ActivIdentity Certificates

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ISG-CMS5K Integration for encoding 5,000 ActivIdentity Certificates

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ISG-CMS10K ISG-CMS10K Integration for encoding 10,000 ActivIdentity Certificates

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ISG-CMS100K ISG-CMS100K Integration for encoding 100,000 ActivIdentity Certificates

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### Oracle Database Support

SWG-1440 Oracle Support for ADV based servers only

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SWG-1290 Oracle Support for PRO based servers only

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SWG-1293 Oracle Support for Enterprise Regional Server only [ENTERPRISE ONLY]

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SWG-1295 Oracle Support for Enterprise Master Servers [ENTERPRISE ONLY]

### Only Available For Enterprise Systems

SWG-1330

Multiple instances of Alarm Event Monitoring on a single client workstation - This license bit allows the customer to run multiple instances of Alarm Monitoring on the same workstation. Its purpose is to allow customers to take advantage of having separate instances of Alarm Monitoring running on multiple client machines. The customer can then use these instances to monitor separate monitor zones within the same system [database] or to monitor zones within the same Enterprise system but different regional databases. [each Alarm Monitoring instance uses an additional client]

Note: Multi-regional monitoring is available in OnGuard 6.0 and higher without this license option. Multi-Regional monitoring is not Multiple instances of Alarm Monitoring; it instead allows for monitor zones to be created via Alarm Monitoring to monitor other regions.

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### DataConduIT API

DataConduIT API -- An application programming interface that can be used from scripting languages such as VBScript and JScript to implement real time data exchange (based on business rules) between OnGuard and third-party systems such as directories (i.e. Active Directory, LDAP) and databases.

#### NOTE:

For new applications and integrations, the newer OpenAccess RESTful Web Services API is strongly recommended. OpenAccess is easier to interface to, can be called through web services from other platforms such as Linux, macOS, Android, iOS, etc., and provides much deeper access to OnGuard functionality than DataConduIT. See the following pages for information and pricing on the OpenAccess API.

### Only Available For Enterprise Systems

SWG-1140

DataConduIT includes one connection license, supporting documentation and scripting examples.

SWG-OITVM

DataConduIT Visitor Management API – includes documentation and scripting examples for visitor management. [see OAAP page for integrations [www.lenel.com/oaap](http://www.lenel.com/oaap)]

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### DataConduIT Visitor Licenses by Client

SWG-OITVM-5

DataConduIT Visitor Client support for 5 clients

SWG-OITVM-10

DataConduIT Visitor Client support for 10 clients

SWG-OITVM-25

DataConduIT Visitor Client support for 25 clients

SWG-OITVM-50

DataConduIT Visitor Client support for 50 clients

## FIPS-201 and FICAM Authentication and Enrollment licenses for OnGuard

### SWG-1550

FIPS 201 Credential Management Integration, to enable support for integrated enrollment and authenticated reader management within OnGuard. FICAM Certified in conjunction with HID pivCLASS and Technology Industries EntryPoint Software and supported devices (sold separately). Consult your Lenel representative for details.

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### SWG-AUTH-002

License to enable two (2) Authenticating readers in OnGuard. This option requires SWG-1550, along with appropriate HID pivCLASS or Technology Industries EntryPoint software and suitable readers, controllers, and additional hardware and software to create a FIPS-201 FICAM compliant solution. Consult your Lenel representative for details.

## OnGuard® OpenAccess Internal Integration license

The OnGuard OpenAccess Internal Integration option is a special license for OnGuard users to use the new OpenAccess services, by single/specific OnGuard server. All of the code used by the integrations developed must be owned exclusively by the OnGuard customer with no rights to sell or redistribute any part of the integration to other OnGuard customers or companies. This license is cannot be used to develop applications or interfaces to be resold or used to profit from services.

### ORDERING INFORMATION:

A Lenel Quote is **REQUIRED** for all orders that include Partner SKUs below. All orders require a system ID.

### IMPORTANT:

Internal integrations with any 3rd party security related systems will require a separate agreement and/or license. OpenAccess is a new web based, REST/JSON API. OpenAccess offers many performance improvements over DataConduIT (our legacy API), including support for multiple threads. The older DataConduIT API will continue to be supported, but is no longer being extended or developed. OpenAccess documentation is included with OnGuard and does not require this item. If an integration is desired but development resources are not available, the Lenel Solutions group can quote a complete turnkey solution based on OpenAccess. A unique application ID is required to use OpenAccess.

This application ID is provided once the OpenAccess license agreement noted in ordering below is signed. The OpenAccess license, support, and upgrades are added to the OnGuard systems SUSP. Please refer to the SUSP section of this price book to determine support tier and order the matching OnGuard OpenAccess Internal Integration (ITM) part number(s) below, based on system type and reader capacity. For existing systems with a SUSP, use the same tier(s) as used by your SUSP. Maximum total subscription purchase is 3 years in one order. System ID required. These part numbers have their license, support, and upgrades added to the customer's SUSP automatically when the customer's SUSP is renewed. The 1st SUSP renewal for the ITM-HR-NR-xxx SKUs will be pro-rated based on the date of when the part is 1st ordered so these parts align with SUSP. Subsequent SUSP renewals will have the part included without any discounts or pro-rating. Please note that SUSP quotes will change the partner prefix SKU from ITM-xxx to ITRxxx to indicate this is a renewal and not a first time order.

### NOTES:

1. A separate license agreement must be signed by the OnGuard end user acknowledging the OpenAccess Internal Integration license terms. This agreement can be downloaded from Partner Center along with the Interface document - also required.
2. OpenAccess subscription requires an active OnGuard SUSP
3. Any order that contains this partner number will cause the entire order to **AUTOMATICALLY BE PLACED ON HOLD** until the required license agreement and interface documents are signed and returned. Please consider the lead time for the OnGuard customer legal to review and sign.
4. This part number is not offered for trial or VAR licenses at \$0 cost since there is nothing to demonstrate. Please contact [firesecuritycs@carrier.com](mailto:firesecuritycs@carrier.com) if you have questions or request a 1 time- 90 day evaluation.
5. Developers using the API for the first time and require developer support that goes beyond just setting up OnGuard and OpenAccess setup is strongly encouraged to purchase ITM-4HR-SUPPORT

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## OpenAccess Internal for 32 ES Systems

**ITM-4HR-SUPPORT** 4 hours of Lenel API Development Support. If engineering development support is required (beyond basic APIs configured/working/responding), then API support may be purchased in four (4) hour blocks using this part number. Once purchased, a separate email providing contact information to engineering will be provided. **WARNING: We will communicate to customer directly the cost of this support as MSRP of \$1300 - \$100 mark up for processing the order. There is no reseller involvement with this service other than the processing of the order itself.**

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**ITM-HR-NR-ES** First time 12 month license for OnGuard OpenAccess Internal integration. Requires OnGuard 7.3 or higher and active SUSP-ES support plan. A Lenel Quote is REQUIRED when ordering this part.

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**ITR-HR-NR-ES** 12 month renewal or extension for OnGuard OpenAccess Internal integration. Requires ITM-HR-NR-ES license and active SUSP-ES support plan. A Lenel Quote is REQUIRED when ordering this part.

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## OpenAccess HR for ADV Systems

**ITM-HR-NR-ADV** First time 1 year license for OnGuard OpenAccess Internal integration. Requires OnGuard 7.3 or higher and active SUSP-ADV-TR-1, TR-2, or TR-3 support plan. A Lenel Quote is REQUIRED when ordering this part.

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**ITR-HR-NR-ADV** 1 year renewal or extension for OnGuard OpenAccess Internal integration. Requires ITMHR-NR-ADV license and active SUSP-ADV-TR-1, TR-2, or TR-3 support plan. A Lenel Quote is REQUIRED when ordering this part.

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## OpenAccess HR for PRO Systems

**ITM-HR-NR-PRO-A** First time 1 year license for OnGuard OpenAccess Internal integration. Requires OnGuard 7.3 or higher and active SUSP-PRO-TR-1 or TR-2 support plan. A Lenel Quote is REQUIRED when ordering this part.

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**ITR-HR-NR-PRO-A** 1 year renewal or extension for OnGuard OpenAccess Internal integration. Requires ITMHR-NR-PRO-A license and active SUSP-PRO-TR-1 or TR-2 support plan. A Lenel Quote is REQUIRED when ordering this part.

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**ITM-HR-NR-PRO-B** First time 1 year license for OnGuard OpenAccess Internal integration. Requires OnGuard 7.3 or higher and active SUSP-PRO-TR-3 or TR-4 support plan. A Lenel Quote is REQUIRED when ordering this part.

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**ITR-HR-NR-PRO-B** 1 year renewal or extension for OnGuard OpenAccess Internal integration. Requires ITMHR-NR-PRO-B license and active SUSP-PRO-TR-3 or TR-4 support plan. A Lenel Quote is REQUIRED when ordering this part.

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**ITM-HR-NR-PRO-C** First time 1 year license for OnGuard OpenAccess Internal integration. Requires OnGuard 7.3 or higher and active SUSP-PRO-TR-5 support plan. A Lenel Quote is REQUIRED when ordering this part.

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## OpenAccess Internal for Enterprise Systems

OnGuard OpenAccess may be purchased separately for any region and/or master in an OnGuard Enterprise system.

ITM-HR-NR-MAS	First time 1 year license for OnGuard OpenAccess Internal integration. Requires OnGuard 7.3 or higher and active SUSP-ENT-MAS support plan. A Lenel Quote is REQUIRED when ordering this part.
ITM-HR-NR-REG-A	First time 1 year license for OnGuard OpenAccess Internal integration. Requires OnGuard 7.3 or higher and active SUSP-ENT-REG-TR-1 or TR-2 support plan. A Lenel Quote is REQUIRED when ordering this part.
ITR-HR-NR-REG-A	1 year renewal or extension for OnGuard OpenAccess Internal integration. Requires ITMHR-NR-REG-A license and active SUSP-ENT-REG-TR-1 or TR-2 support plan. A Lenel Quote is REQUIRED when ordering this part.
ITM-HR-NR-REG-B	First time 1 year license for OnGuard OpenAccess Internal integration. Requires OnGuard 7.3 or higher and active SUSP-ENT-REG-TR-3 or TR-4 support plan. A Lenel Quote is REQUIRED when ordering this part.
ITR-HR-NR-REG-B	1 year renewal or extension for OnGuard OpenAccess Internal integration. Requires ITMHR-NR-REG-B license and active SUSP-ENT-REG-TR-3 or TR-4 support plan. A Lenel Quote is REQUIRED when ordering this part.
ITM-HR-NR-REG-C	First time 1 year license for OnGuard OpenAccess Internal integration. Requires OnGuard 7.3 or higher and active SUSP-ENT-REG-TR-5 support plan. A Lenel Quote is REQUIRED when ordering this part.
ITR-HR-NR-REG-C	1 year renewal or extension for OnGuard OpenAccess Internal integration. Requires ITMHR-NR-REG-C license and active SUSP-ENT-REG-TR-5 support plan. A Lenel Quote is REQUIRED when ordering this part.

## OpenAccess Internal for Enterprise Lite Systems

OnGuard OpenAccess may be purchased separately for any region and/or master in an OnGuard Enterprise system.

ITM-HR-NR-MAS-LT	First time 1 year license for OnGuard OpenAccess Internal integration. Requires OnGuard 7.3 or higher and active SUSP-W-ENT-MAS-LT support plan. A Lenel Quote is REQUIRED when ordering this part.
ITR-HR-NR-MAS-LT	1 year renewal or extension for OnGuard OpenAccess Internal integration. Requires ITMHR-NR-MAS-LT license and active SUSP-W-ENT-MAS-LT support plan. A Lenel Quote is REQUIRED when ordering this part.
ITM-HR-NR-REG-LT	First time 1 year license for OnGuard OpenAccess Internal integration. Requires OnGuard 7.3 or higher and active SUSP-W-ENT-REG-LT support plan. A Lenel Quote is REQUIRED when ordering this part.
ITR-HR-NR-REG-LT	1 year renewal or extension for OnGuard OpenAccess Internal integration. Requires ITMHR-NR-REG-LT license and active SUSP-W-ENT-REG-LT support plan. A Lenel Quote is REQUIRED when ordering this part.



## OnGuard® OAAP Partner Licenses

The OnGuard OpenAccess Internal Integration option is a special license for OnGuard users to use the new OpenAccess services API, by single/specific OnGuard server. The parts below are for situations where all of the code used by the integrations developed must be owned exclusively by the OnGuard customer with no rights to sell or redistribute any part of the integration to other OnGuard customers or companies. This license is cannot be used to develop applications or interfaces to be resold or used to profit from services.

### ORDERING INFORMATION:

A Lenel Quote is REQUIRED for all orders that include Partner SKUs below. All orders require a system ID.

### IMPORTANT:

1. OpenAccess is licensed on an annual basis and is NOT offered as a perpetual, one time purchase. You can purchase up to 3 years in a single order.
2. Each OnGuard interface (codebase) developed using the OpenAccess services APIs requires a separate ITM-HR-NR-xxx license.
3. Each OnGuard interface (codebase) developed using the OpenAccess services APIs (ITM-HR-NR-xxx) order requires a corresponding Interface Document to be filled out. This form is located via the link below labeled 'LenelS2 APIs Interface Document'.
4. YOU MUST SUBMIT a corresponding Interface Document with your order. This form is located via the link below labeled 'LenelS2 APIs Interface Document'.
5. You can request a 90 day evaluation license of OpenAccess by filling out an Interface Document form. This form is located via the link below labeled 'LenelS2 APIs Interface Document'. These licenses will NOT be extended for any reason.
6. Only orders whose Interface Documents are reviewed, meet the necessary license restrictions, and approved will be processed.
7. ITM-HR-NR-xxx parts ARE NOT to be used for OAAP (Partner program) interfaces. Please see the OnGuard® OAAP Partner Licenses section in this price book – every Partner interface using OpenAccess now has a separate SKU and cannot use ITM-HRNR-xxx.
8. OpenAccess requires a unique application ID that will be assigned according to your Interface Document submission. OpenAccess WILL NOT function unless the developers using OpenAccess have this application ID. The application ID is provided based on your order or evaluation request that is initiated by filling out the Interface Document form. This form is located via the link below labeled 'LenelS2 APIs Interface Document'.

These part numbers have their license, support, and upgrades added to the customer's SUSP automatically when the customer's as a reminder:

Maximum total subscription purchase is 3 years in one order. System ID required with your order. Also, ITM-HR-NR-xxx is not offered on VAR or Training licenses at \$0 cost. Please use the LenelS2 APIs Interface Document form link below if you would like a trial license for a specific interface.

Please note that SUSP quotes will change the partner prefix SKU from IPC-xxx to IPR-xxx to indicate this is a renewal and not a first time order.

## OnGuard® OAAP Partner Licenses cont...

A Lenel Quote is required when ordering any part numbers below.

**IPC-011-TYCVIC01** Tyco/Sensormatic Victor Video Integration - Lenel Quote required when ordering. [Must be ordered with an IPC-011-xxx category code from the IPC-011 Pricing Table below]. Active SUSP required and this is automatically added to renewals going forward. 1st year renewal will be pro-rated to align with SUSP.

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### IPC-011 Pricing Table

A Lenel Quote is required when ordering from IPC-011 Pricing Table. The part numbers below correspond to the size of the system being ordered for a specific Partner part number above with the prefix IPC-011. DO NOT use these part numbers unless the partner code being ordered has an IPC-011 prefix. Please note, the reader counts are for the entire system. So if partner integration is on an Enterprise system, you should count the total readers for the System IDs that the partner integration is being enabled for, up to the total number of readers for entire enterprise.

A Lenel Quote is required when ordering any part numbers below.

**IPC-011-32ES** Partner integration license, support, and upgrades on OnGuard 32ES system with 64 readers or less. [Must be ordered with a corresponding IPC-011 partner code SKU above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.

**IPC-011-128ADV** Partner integration license, support, and upgrades on ADV system with 256 readers or less. [Must be ordered with a corresponding IPC-011 partner code SKU above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.

**IPC-011-128** Partner integration license, support, and upgrades on Pro, Region, or Master system with 256 readers or less. [Must be ordered with a matching IPC-011 partner code above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.

**IPC-011-256** Partner integration license, support, and upgrades on ADV, Pro, Region, or Master system with 256 readers or less. [Must be ordered with a matching IPC-011 partner code above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.

**IPC-011-512** Partner integration license, support, and upgrades on Pro, Region, or Master system with 512 readers or less. [Must be ordered with a matching IPC-011 partner code above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.

**IPC-011-768** Partner integration license, support, and upgrades on Pro, Region, or Master system with 768 readers or less. [Must be ordered with a matching IPC-011 partner code above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.

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**IPC-011-1024** Partner integration license, support, and upgrades on Pro, Region, or Master system with 1024 readers or less. [Must be ordered with a matching IPC-011 partner code above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.

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**IPC-011-1536** Partner integration license, support, and upgrades on Pro, Region, or Master system with 1536 readers or less. [Must be ordered with a matching IPC-011 partner code above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.

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**IPC-011-2048** Partner integration license, support, and upgrades on Pro, Region, or Master system with 2048 readers or less. [Must be ordered with a matching IPC-011 partner code above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.

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**IPC-011-3072** Partner integration license, support, and upgrades on Pro, Region, or Master system with 3072 readers or less. [Must be ordered with a matching IPC-011 partner code above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.

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**IPC-011-4096** Partner integration license, support, and upgrades on Pro, Region, or Master system with 4096 readers or less. [Must be ordered with a matching IPC-011 partner code above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.

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**IPC-011-5120** Partner integration license, support, and upgrades on Pro, Region, or Master system with 5120 readers or less. [Must be ordered with a matching IPC-011 partner code above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.

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**IPC-011-6144** Partner integration license, support, and upgrades on Pro, Region, or Master system with 6144 readers or less. [Must be ordered with a matching IPC-011 partner code above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.

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**IPC-011-8192** Partner integration license, support, and upgrades on Pro, Region, or Master system with 8192 readers or less. [Must be ordered with a matching IPC-011 partner code above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.

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**CALL FOR PRICING** Any OnGuard System with more than 8192 readers and using a Partner code prefixed by IPC-011 should call the factory for a quote.

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## IPC-021 Partners

A Lenel Quote is required when ordering any part numbers below.

**IPC-021-ITSF01** Intellisoft AirportICE Integration - Lenel Quote required when ordering. [Must be ordered with an IPC-021-xxx category code from the IPC-021 Pricing Table below]. Active SUSP required and this is automatically added to renewals going forward. 1st year renewal will be pro-rated to align with SUSP.

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**IPC-021-QBIC01** QBIC AG QAccess Integration - Lenel Quote required when ordering. [Must be ordered with an IPC-021-xxx category code from the IPC-021 Pricing Table below]. Active SUSP required and this is automatically added to renewals going forward. 1st year renewal will be pro-rated to align with SUSP.

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**IPC-021-QNTM01** HID Quantum Secure SAFE Integration - Lenel Quote required when ordering. [Must be ordered with an IPC-021-xxx category code from the IPC-021 Pricing Table below]. Active SUSP required and this is automatically added to renewals going forward. 1st year renewal will be pro-rated to align with SUSP.

## IPC-021 Pricing Table

A Lenel Quote is required when ordering from IPC-021 Pricing Table. The part numbers below correspond to the size of the system being ordered for a specific Partner part number above with the prefix IPC-021. DO NOT use these part numbers unless the partner code being ordered has an IPC-021 prefix. Please note, the reader counts are for the entire system. So if partner integration is on an Enterprise system, you should count the total readers for the System IDs that the partner integration is being enabled for, up to the total number of readers for entire enterprise.

A Lenel Quote is required when ordering any part numbers below.

IPC-021-32ES	Partner integration license, support, and upgrades on OnGuard 32ES system with 64 readers or less. [Must be ordered with a corresponding IPC-021 partner code SKU above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.
IPC-021-128ADV	Partner integration license, support, and upgrades on ADV system with 256 readers or less. [Must be ordered with a corresponding IPC-021 partner code SKU above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.
IPC-021-128	Partner integration license, support, and upgrades on Pro, Region, or Master system with 128 readers or less. [Must be ordered with a matching IPC-021 partner code above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.
IPC-021-256	Partner integration license, support, and upgrades on ADV, Pro, Region, or Master system with 256 readers or less. [Must be ordered with a matching IPC-021 partner code above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.
IPC-021-512	Partner integration license, support, and upgrades on Pro, Region, or Master system with 512 readers or less. [Must be ordered with a matching IPC-021 partner code above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.
IPC-021-768	Partner integration license, support, and upgrades on Pro, Region, or Master system with 768 readers or less. [Must be ordered with a matching IPC-021 partner code above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.
IPC-021-1024	Partner integration license, support, and upgrades on Pro, Region, or Master system with 1024 readers or less. [Must be ordered with a matching IPC-021 partner code above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.
IPC-021-1536	Partner integration license, support, and upgrades on Pro, Region, or Master system with 1536 readers or less. [Must be ordered with a matching IPC-021 partner code above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.
IPC-021-2048	Partner integration license, support, and upgrades on Pro, Region, or Master system with 2048 readers or less. [Must be ordered with a matching IPC-021 partner code above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.

IPC-021-3072	Partner integration license, support, and upgrades on Pro, Region, or Master system with 3072 readers or less. [Must be ordered with a matching IPC-021 partner code above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.
IPC-021-4096	Partner integration license, support, and upgrades on Pro, Region, or Master system with 4096 readers or less. [Must be ordered with a matching IPC-021 partner code above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.
IPC-021-5120	Partner integration license, support, and upgrades on Pro, Region, or Master system with 5120 readers or less. [Must be ordered with a matching IPC-021 partner code above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.
IPC-021-6144	Partner integration license, support, and upgrades on Pro, Region, or Master system with 6144 readers or less. [Must be ordered with a matching IPC-021 partner code above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.
IPC-021-8192	Partner integration license, support, and upgrades on Pro, Region, or Master system with 8192 readers or less. [Must be ordered with a matching IPC-021 partner code above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.
Call for pricing	Any OnGuard System with more than 8192 readers and using a Partner code prefixed by IPC-021 should call the factory for a quote.

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## IPC-042 Partners

A Lenel Quote is required when ordering any part numbers below.

IPC-042-ARES01	Ares Security Corporation CommandBridge Integration - Lenel Quote required when ordering. [Must be ordered with an IPC-042-xxx category code from the IPC-042 Pricing Table below]. Active SUSP required and this is automatically added to renewals going forward. 1st year renewal will be pro-rated to align with
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IPC-042-SIS01	Security Information Systems Alarm Center Dispatch- Lenel Quote required when ordering. [Must be ordered with an IPC-042-xxx category code from the IPC-042 Pricing Table below]. Active SUSP required and this is automatically added to renewals going forward. 1st year renewal will be pro-rated to align with
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A Lenel Quote is required when ordering from IPC-042 Pricing Table. The part numbers below correspond to the size of the system being ordered for a specific Partner part number above with the prefix IPC-042. DO NOT use these part numbers unless the partner code being ordered has an IPC-042 prefix.

IPC-042-32ES	Partner integration license, support, and upgrades on OnGuard 32ES system with 64 readers or less. [Must be ordered with a corresponding IPC-042 partner code SKU above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.
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IPC-042-128ADV	Partner integration license, support, and upgrades on ADV system with 256 readers or less. [Must be ordered with a corresponding IPC-042 partner code SKU above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.
IPC-042-128	Partner integration license, support, and upgrades on Pro, Region, or Master system with 128 readers or less. [Must be ordered with a matching IPC-042 partner code above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.
IPC-042-256	Partner integration license, support, and upgrades on ADV, Pro, Region, or Master system with 256 readers or less. [Must be ordered with a matching IPC-042 partner code above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.
IPC-042-512	Partner integration license, support, and upgrades on Pro, Region, or Master system with 512 readers or less. [Must be ordered with a matching IPC-042 partner code above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.
IPC-042-768	Partner integration license, support, and upgrades on Pro, Region, or Master system with 768 readers or less. [Must be ordered with a matching IPC-042 partner code above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.
IPC-042-1024	Partner integration license, support, and upgrades on Pro, Region, or Master system with 1024 readers or less. [Must be ordered with a matching IPC-042 partner code above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.
IPC-042-1536	Partner integration license, support, and upgrades on Pro, Region, or Master system with 1536 readers or less. [Must be ordered with a matching IPC-042 partner code above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.
IPC-042-2048	Partner integration license, support, and upgrades on Pro, Region, or Master system with 2048 readers or less. [Must be ordered with a matching IPC-042 partner code above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.
IPC-042-3072	Partner integration license, support, and upgrades on Pro, Region, or Master system with 3072 readers or less. [Must be ordered with a matching IPC-042 partner code above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.
IPC-042-4096	Partner integration license, support, and upgrades on Pro, Region, or Master system with 4096 readers or less. [Must be ordered with a matching IPC-042 partner code above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.
IPC-042-5120	Partner integration license, support, and upgrades on Pro, Region, or Master system with 5120 readers or less. [Must be ordered with a matching IPC-042 partner code above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.
IPC-042-6144	Partner integration license, support, and upgrades on Pro, Region, or Master system with 6144 readers or less. [Must be ordered with a matching IPC-042 partner code above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.
IPC-042-8192	Partner integration license, support, and upgrades on Pro, Region, or Master system with 8192 readers or less. [Must be ordered with a matching IPC-042 partner code above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.
CALL FOR PRICING	Any OnGuard System with more than 8192 readers and using a Partner code prefixed by IPC-042 should call the factory for a quote.

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## IPC-052 Partners

A Lenel Quote is required when ordering any part numbers below.

**IPC-052-PXYCL01** proxyclick Integration - Lenel Quote required when ordering. [Must be ordered with an IPC-052-xxx category code from the IPC-052 Pricing Table below]. Active SUSP required and this is automatically added to renewals going forward. 1st year renewal will be pro-rated to align with SUSP.

### IPC-052 Pricing Table

A Lenel Quote is required when ordering from IPC-052 Pricing Table.

**IPC-052-32ES** Partner integration license, support, and upgrades on OnGuard 32ES system with 64 readers or less. [Must be ordered with a corresponding IPC-052 partner code SKU above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.

**IPC-052-128ADV** Partner integration license, support, and upgrades on ADV system with 256 readers or less. [Must be ordered with a corresponding IPC-052 partner code SKU above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.

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### IPC-042 Pricing Table

**IPC-052-128** Partner integration license, support, and upgrades on Pro, Region, or Master system with 128 readers or less. [Must be ordered with a matching IPC-052 partner code above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.

**IPC-052-256** Partner integration license, support, and upgrades on ADV, Pro, Region, or Master system with 256 readers or less. [Must be ordered with a matching IPC-052 partner code above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.

**IPC-052-512** Partner integration license, support, and upgrades on Pro, Region, or Master system with 512 readers or less. [Must be ordered with a matching IPC-052 partner code above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.

**IPC-052-768** Partner integration license, support, and upgrades on Pro, Region, or Master system with 768 readers or less. [Must be ordered with a matching IPC-052 partner code above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.

**IPC-052-1024** Partner integration license, support, and upgrades on Pro, Region, or Master system with 1024 readers or less. [Must be ordered with a matching IPC-052 partner code above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.

**IPC-052-1536** Partner integration license, support, and upgrades on Pro, Region, or Master system with 1536 readers or less. [Must be ordered with a matching IPC-052 partner code above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.

**IPC-052-2048** Partner integration license, support, and upgrades on Pro, Region, or Master system with 2048 readers or less. [Must be ordered with a matching IPC-052 partner code above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.

IPC-052-3072	Partner integration license, support, and upgrades on Pro, Region, or Master system with 3072 readers or less. [Must be ordered with a matching IPC-052 partner code above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.
IPC-052-4096	Partner integration license, support, and upgrades on Pro, Region, or Master system with 4096 readers or less. [Must be ordered with a matching IPC-052 partner code above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.
IPC-052-5120	Partner integration license, support, and upgrades on Pro, Region, or Master system with 5120 readers or less. [Must be ordered with a matching IPC-052 partner code above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.
IPC-052-6144	Partner integration license, support, and upgrades on Pro, Region, or Master system with 6144 readers or less. [Must be ordered with a matching IPC-052 partner code above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.
IPC-052-8192	Partner integration license, support, and upgrades on Pro, Region, or Master system with 8192 readers or less. [Must be ordered with a matching IPC-052 partner code above.] This is automatically added to SUSP annually w/ the 1st renewal pro-rated.
CALL FOR PRICING	Any OnGuard System with more than 8192 readers and using a Partner code prefixed by IPC-052 should call the factory for a quote.

## AllGoVision

A Lenel Quote is required when ordering Detrios part numbers.

IPC-096-ALGO01-B	AllGoVision Alarm Center Partner base integration 1 year license and support on any OnGuard system. [This is the integration license that must be ordered for the first 10 readers being used by AllGoVision Alarm Center. Additional readers can be purchased using IPC-096-ALGO01-10] This is automatically added to the required SUSP annually w/ the 1st renewal pro-rated.
IPC-096-ALGO01-10	AllGoVision Alarm Center Partner integration 1 year license and support for an additional 10 readers used by Alarm Center. This is automatically added to the required SUSP annually w/ the 1st renewal pro-rated.



### Automated Logics Corporation (ALC)

A Lenel Quote is required when ordering Automated Logics Corporation (ALC) part numbers.

**IPC-081-ALC01-B** Automated Logics Corporation WebCTRL integration 1 year license and support on any OnGuard system. [This is the integration license that must be ordered for the first 10 devices being monitored by the integration. Additional devices can be purchased using IPC-081-10]. This is automatically added to the required SUSP annually with the first renewal pro-rated.

**IPC-081-10** 1 year license and support for an additional 10 devices to be monitored by WebCTRL. This is automatically added to the required SUSP annually with the first renewal pro-rated.

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### Certipath (Use these Part Numbers when Certipath software is not purchased through LenelS2)

A Lenel Quote is required when ordering Certipath part numbers.

**IPC-054-CRTP-B** Certipath Trusted Visitor 1 year license and support on any OnGuard system for 1st 1000 users. [This is the integration license that must be ordered for the first 1000 Trusted Visitor users. Additional users can be purchased using IPC-054-1000]. This is automatically added to the required SUSP annually with the first renewal pro-rated.

**IPC-054-1000** 1 year license and support for an additional 1000 Trusted Visitor users. This is automatically added to the required SUSP annually w/ the 1st renewal pro-rated.

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### Detrios

A Lenel Quote is required when ordering Detrios part numbers.

**IPC-303-DETR01-B** Detrios DAX 1 year base integration license on any OnGuard system. [This is the integration license that must be ordered for the first 100 readers being monitored. Additional DAX reader licenses can be purchased using IPC-303-25] This is automatically added to the required SUSP annually w/ the 1st renewal pro-rated.

**IPC-303-25** Reader/Device Partner integration 1 year license and support for an additional 25 readers monitored by any IPC-303-xxx partner This is automatically added to the required SUSP annually w/ the 1st renewal pro-rated.

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### Digitus Biometrics

A Lenel Quote is required when ordering Digitus Biometrics part numbers.

**IPC-094-DIGBI01-B** Digitus Biometrics DAS-SQL 1 year base integration license on any OnGuard system. [This is the integration license that must be ordered for the first 10 Digitus Biometric readers. Additional Digitus Biometric reader licenses can be purchased using IPC-094-10] This is automatically added to the required SUSP annually w/ the 1st renewal pro-rated.

**IPC-094-10** Reader/Device Partner integration 12 month license and support for an additional 10 readers/ devices used by any IPC-094-xxx partner This is automatically added to the required SUSP annually w/ the 1st renewal pro-rated.

## HIKVision Facial Readers

A Lenel Quote is required when ordering HIKVision part numbers.

**IPC-094-HIK01-B** HIKVision DS-K5603 1 year base integration license and support on any OnGuard system. [This is the integration license that must be ordered for the first 10 HIKVision DS-K5603-Z readers. Additional DS-K5603-Z reader licenses can be purchased using IPC-094-10] This is automatically added to the required SUSP annually w/ the 1st renewal pro-rated.

**IPC-094-10** Reader/Device Partner integration 1 year license and support for an additional 10 readers/devices used by any IPC-094-xxx partner This is automatically added to the required SUSP annually w/ the 1st renewal pro-rated.

## Idemia MorphoTrak

A Lenel Quote is required when ordering Idemia part numbers.

**IPC-054-CRTP-B** Idemia MorphoTrak 1 year base integration license and support on any OnGuard system. [This is the integration license that must be ordered for the first 10 MorphoTrak readers. Additional MorphoTrak reader licenses can be purchased using IPC-094-10] This is automatically added to the required SUSP annually w/ the 1st renewal pro-rated.

**IPC-054-1000** Reader/Device Partner integration 1 year license and support for an additional 10 readers/devices used by any IPC-094-xxx partner This is automatically added to the required SUSP annually w/ the 1st renewal pro-rated.

## Identity One

A Lenel Quote is required when ordering Identity One part numbers.

**IPC-094-IEV001-B** Identity One TWIClink 1 year integration license and support on any OnGuard system. [This is the integration license that must be ordered for the first 10 TWIClink readers. Additional Identity One TWIClink reader licenses can be purchased using IPC-094-10]. This is automatically added to the required SUSP annually with the first renewal pro-rated.

**IPC-094-10** Reader/Device Partner integration 1 year license and support for an additional 10 readers/devices used by any IPC-094-xxx partner. This is automatically added to the required SUSP annually with the first renewal pro-rated.

## ievo

A Lenel Quote is required when ordering ievo part numbers.

**IPC-094-IEV001-B** ievo Rev4 1 year integration license and support on any OnGuard system. [This is the integration license that must be ordered for the first 10 Rev4 readers. Additional Rev4 reader licenses can be purchased using IPC-094-10]. This is automatically added to the required SUSP annually with the first renewal pro-rated.

**IPC-094-10** Reader/Device Partner integration 1 year license and support for an additional 10 readers/devices used by any IPC-094-xxx partner. This is automatically added to the required SUSP annually with the first renewal pro-rated.

## Milestone Xprotect

A Lenel Quote is required when ordering from ITM-MLST-xxx part numbers.

**IPC-311-MLST01** Milestone XProtect Video Partner base integration license and support on any OnGuard system. [This is the integration license that must be ordered for any Milestone XProtect integration that is not ordered as a kit using ML-OGINT-xxx.] This is automatically added to the required SUSP annually w/ the 1st renewal pro-rated.

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## MOBSS Mobile Security Solutions Mobile Readers

A Lenel Quote is required when ordering MoBss part numbers.

**IPC-098-MOBS01-B** MOBSS Precog commandCenter mobile reader 1 year base integration license and support on any OnGuard system. [This is the integration license that must be ordered for the first 3 MOBSS readers. Additional MOBSS reader licenses can be purchased using IPC-098-01] This is automatically added to the required SUSP annually w/ the 1st renewal pro-rated.

**IPC-098-01** Reader/Device Partner integration 1 year license and support for an additional 1 readers/ devices used by any IPC-098-xxx partner This is automatically added to the required SUSP annually w/ the 1st renewal pro-rated.

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## Princeton Identity

A Lenel Quote is required when ordering Princeton Identity part numbers.

**IPC-094-PRNID01-B** Princeton Identity IOM Access Control Product Suite base integration license and support on any OnGuard system. [This is the integration license that must be ordered for the first 10 Princeton Identity readers. Additional Princeton Identity reader licenses can be purchased using IPC-094-10] This is automatically added to the required SUSP annually w/the 1st renewal pro-rated.

**IPC-094-10** Reader/Device Partner integration 1 year license and support for an additional 10 readers/ devices used by any IPC-094-xxx partner This is automatically added to the required SUSP annually w/ the 1st renewal pro-rated.

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## SekureID Xenio Smart (Controller-Less) Devices

A Lenel Quote is required when ordering SekureID part numbers.

**IPC-093-SEKUR01-B** SekureID Xenio Smart Devices - Controller-Less (does not require OnGuard ISC or reader board) 1 year base integration license and support on any OnGuard system. [This is the integration license that must be ordered for the first 10 SekureID Xenio devices/units. Additional devices/units can be purchased using IPC-093-05] This is automatically added to the required SUSP annually w/ the 1st renewal pro-rated.

**IPC-093-05** Partner integration 1 year license and support for an additional 5 devices/units used by any IPC-093-xxx partner. This is automatically added to the required SUSP annually w/ the 1st renewal pro-rated.

## Soloinsight Visitor Management

A Lenel Quote is required when ordering Soloinsight part numbers.

**IPC-051-SOLO01-B** Soloinsight CloudGate Visitor Management 1 year base integration license and support on any OnGuard system. [This is the integration license that must be ordered for the first 10 devices/units being used by Soloinsight CloudGate Visitor. Additional devices/units can be purchased using IPC-051-010] This is automatically added to the required SUSP annually w/ the 1st renewal pro-rated.

**IPC-051-010** Partner integration 1 year license and support for an additional 10 devices/units used by any IPC-051-xxx partner. This is automatically added to the required SUSP annually w/ the 1st renewal pro-rated.

## SPLAN Visitor Management

A Lenel Quote is required when ordering SPLAN part numbers.

**IPC-051-SPLN01-B** SPLAN Visitor Management 1 year base integration license and support on any OnGuard system. [This is the integration license that must be ordered for the first 10 devices/lobby being used by SPLAN Visitor. Additional devices/lobby units can be purchased using IPC-051-010] This is automatically added to the required SUSP annually w/ the 1st renewal prorated.

**IPC-051-010** Partner integration 1 year license and support for an additional 10 devices/units used by any IPC-051-xxx partner. This is automatically added to the required SUSP annually w/ the 1st renewal pro-rated.

## Stone Lock Biometric Readers

A Lenel Quote is required when ordering Stone Lock part numbers.

**IPC-094-STNLK01-B** Stone Lock 1 year base integration license and support on any OnGuard system. [This is the integration license that must be ordered for the first 10 Stone Lock biometric readers. Additional Stone Lock biometric reader licenses can be purchased using IPC-094-10] This is automatically added to the required SUSP annually w/ the 1st renewal pro-rated.

**IPC-094-10** Reader/Device Partner integration 1 year license and support for an additional 10 readers/devices used by any IPC-094-xxx partner This is automatically added to the required SUSP annually w/ the 1st renewal pro-rated.

## Umbo Computer Vision

A Lenel Quote is required when ordering Umbo Computer Vision part numbers.

**IPC-096-UMBO01-B** Umbo Computer Vision Umbo Light 1 year base integration license and support on any OnGuard system. [This is the integration license that must be ordered for the first 10 readers/doors being monitored by Umbo Light. Additional devices/units can be purchased using IPC-096-010] This is automatically added to the required SUSP annually w/ the 1st renewal pro-rated.

**IPC-096-010** Partner integration 1 year license and support for an additional 10 devices/units used by any IPC-096-xxx partner. This is automatically added to the required SUSP annually w/ the 1st renewal pro-rated.

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## OnGuard® Browser-based Client Bundle

This bundle includes one seat each of the OnGuard Monitor and OnGuard Credentials clients. OnGuard now supports new browser-based clients. These clients can be accessed from any device with a supported web browser, and allow access without the installation of client software. The browser-based clients are licensed on a perconcurrent-seat basis per OnGuard server. This license can be added to a 32ES, ADV, PRO, or Enterprise system.

### NOTE:

OnGuard browser-based clients are supported for all OnGuard systems as described in the Compatibility Charts. OnGuard client licenses may be purchased separately for any region and/or master in an OnGuard Enterprise system based on Customer's intended usage.

OnGuard Credentials is an easy-to-use web-based cardholder management client designed to allow many of your OnGuard users to have the ability to manage the basic properties of a cardholder from an 'installation-free' workstation. Credentials allows management of the Personal Details (along with User-defined pages and fields), Badge, and Access Level assignment components of a cardholder record, as well as directly issuing a mobile credential or printing a badge to an OnGuard workstation.

OnGuard Monitor is an easy-to-use browser-based lightweight alarm, event, and video management client designed to provide OnGuard users with the ability to view and manage alarms from an 'installation-free' workstation. OnGuard Monitor enables viewing live and historical events, responding to alarms, verification of cardholder with photos as access is granted, viewing of hardware tree, and limited control of Lenel access hardware. It also allows viewing of live and recorded video from Lenel NVR's.

### IMPORTANT:

OnGuard Credentials and OnGuard Monitor clients are intended as lightweight solutions for on-the-go, remote site or office, and casual users, and are not complete replacements for OnGuard ID CredentialCenter and OnGuard Alarm Monitoring for all applications. Consult your Lenel representative to determine where each should be used.

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### OnGuard Browser client bundle for 32 ES Systems

**OCB-A-ES-1** Non-expiring license for one seat of OnGuard Credentials Client and one seat of OnGuard Monitor client for OnGuard 32ES systems only. Requires OnGuard 7.3 or higher for Credentials client, 7.4 or higher for monitor client.

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### OnGuard Browser client bundle for ADV Systems

**OCB-A-ADV-1** Non-expiring license for one seat of OnGuard Credentials Client and one seat of OnGuard Monitor client for OnGuard ADV systems only. Requires OnGuard 7.3 or higher for Credentials client, 7.4 or higher for monitor client.

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### OnGuard Browser client bundle for PRO/ENT Systems

**OCB-A-PROENT-1** Non-expiring license for one seat of OnGuard Credentials Client and one seat of OnGuard Monitor client for OnGuard PRO and Enterprise systems only. Requires OnGuard 7.3 or higher for Credentials client, 7.4 or higher for monitor client.

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## OnGuard® Surveillance Client - Browser Video Surveillance

OnGuard Surveillance is an easy-to-use browser-based lightweight video viewing client designed to allow many of your OnGuard users to have the ability to view video from an 'installation-free' workstation. OnGuard Surveillance allows viewing live and recorded video stored on a Lenel NVR.

### IMPORTANT:

OnGuard Surveillance is intended as a lightweight video viewing solution for on-the-go and casual users. It is not a replacement of the OnGuard Video Management client, which allows full video management and includes many other features suitable for security operations centers. Consult your LenelS2 representative to determine where each should be used.

### SPECIAL PROMOTION:

NON-EXPIRING LICENSES OF ONGUARD SURVEILLANCE V1.0 CLIENT AVAILABLE FREE OF CHARGE UNTIL JUNE 30, 2020. CUSTOMERS WITH A SUSP PLAN WILL BE ENTITLED TO FREE UPGRADES TO SUBSEQUENT VERSIONS OF ONGUARD SURVEILLANCE.

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### OnGuard® Surveillance Client for 32 ES Systems

#### OCP-OSV-E-1

Non-expiring license for OnGuard Surveillance client for 32ES systems only. One required per concurrent client seat. Requires OnGuard / LNVR 7.5 or higher. - Free license offer expires on June 30, 2020.

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### OnGuard® Surveillance Client for all other OnGuard Systems

#### OCP-OSV-1

Non-expiring license for OnGuard Surveillance client. One required per concurrent client seat. Ordering this item increases the licensed client count by one. Requires OnGuard 7.5/LNVR or higher. - Free license offer expires on June 30, 2020.

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## OnGuard® Access Manager - Browser Access Rights Management client

The OnGuard Access Manager client is an easy-to-use browser-based lightweight access rights management client designed to provide OnGuard users with the ability to manage access level assignments for their employees from an 'installation-free' workstation. OnGuard Access Manager also allows processing of automated access request workflows from the Cardholder Self Service web module (purchased separately).

### OnGuard Access Manager client for all OnGuard Systems

#### OCP-AMC-1

Non-expiring license for OnGuard Access Manager client. One required per concurrent client seat. Ordering this item increases the licensed client count by one. Requires OnGuard 7.4 or higher.

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## Browser Client License Upgrades

For OnGuard customers converting from OnGuard ES System to ADV, PRO, or ENT, the Client licenses must be upgraded also. ALL client licenses must be upgraded as part of the system upgrade.

UPC-OCBE2OCBA	Upgrade OCB-A-ES-1 to OCB-A-ADV-1 when upgrading from 32ES to ADV OnGuard system. One required for each existing OCB-A-ES-1 license
UPC-OCBE2OCBP	Upgrade OCB-A-ES-1 to OCB-A-PROENT-1 when upgrading from 32ES to PRO or ENT OnGuard system. One required for each existing OCB-A-ES-1 license.
UPC-OCBA2OCBP	Upgrade OCB-A-ADV-1 to OCB-A-PROENT-1 when upgrading from ADV to PRO or ENT OnGuard system. One required for each existing OCB-A-ADV-1 license.

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## Conversion of Windows Client Licenses to Browser Client Licenses

For OnGuard customers wishing to convert some of their OnGuard Windows client licenses to the new browser client bundles. (OnGuard version 7.4 and up), LenelS2 will allow the following licenses to be converted on a 1:1 basis from Windows Client licenses to Browser Client licenses. Note that once licenses are converted, they CANNOT be converted back to Windows Client licenses. Therefore, we recommend only converting a portion of your licenses until you determine the correct mix of Windows and browser clients for your application.

### OnGuard® Surveillance Client for 32 ES Systems

CON-SWCE2OCBE	Convert one OnGuard 32ES Windows client license (SWC-32ES, SWC-32ESI, or SWC-IDES) to one OnGuard Browser Client Bundle (OCB-A-ES-1). Note: Conversion cannot be reversed. Please ensure the browser clients meet the needs of the application.
CON-SWCA2OCBA	Convert one OnGuard ADV/PRO Windows client license (SWC-ADV, SWCADVI, SWC-IDADV) to one OnGuard Browser Client Bundle (OCB-A-ADV-1) for OnGuard ADV Systems only (Not for PRO or ENT Systems). Note: Conversion cannot be reversed. Please ensure the browser clients meet the needs of the application.
CON-SWCA2OCBP	Convert one OnGuard ADV/PRO Windows client license (SWC-ADV, SWCADVI, SWC-IDADV) to one OnGuard Browser Client Bundle (OCB-A-PROENT-1) for OnGuard PRO or ENT Systems only (Not for ADV Systems). Note: Conversion cannot be reversed. Please ensure the browser clients meet the needs of the application.
CON-AAM2AMC	Client License Count (1 Client Seat) Conversion of Area Access Manager windows client license to OnGuard Access Manager browser-based client (OCPAMC-1).

## Mobile Credential Issuance in OnGuard®

This annual license allows seamless issuance of HID® Mobile Access and Allegion aptiQmobile™ mobile credentials from within OnGuard. With this option, credentials can be issued for these solutions from standard OnGuard interfaces and without duplicate data entry in the manufacturers web portal, speeding issuance while avoiding data entry errors.

### NOTES:

- a) These part numbers do not include the mobile credentials themselves, only the integrated issuance.
- b) This license is not required for Lenel BlueDiamond Mobile credential issuance.

### PREREQUISITES:

- 1) Account for purchase of the mobile credentials and readers (API Login and Account access to the credential service required)
- 2) Web connectivity from the OnGuard client to the internet when credentials are to be issued from an OnGuard Windows Client.
- 3) Web connectivity from the OnGuard server to the internet when credentials are to be issued from the OnGuard Credentials web app.

### ORDERING INFORMATION:

For new systems, refer to the SUSP section of this price book to determine support tier and order the matching Mobile Credential Issuance (MCI) part number(s) below, based on system type and reader capacity. For existing systems with a SUSP, use the same tier(s) as used by your SUSP. Maximum total subscription purchase is 3 years.

### Mobile Credential Issuance for 32 ES Systems

**SSM-MCI-ES** First time 12 month license for Mobile Credential Issuance. One required per server. Requires OnGuard 7.3 or higher and active SUSP-W-ES support plan.

**SSR-MCI-E** 12 month Renewal or Extension for Mobile Credential Issuance. One required per server. Requires SSM-MCI-ES license and active SUSP-W-ES support plan.

### Mobile Credential Issuance for ADV Systems

**SSM-MCI-ADV** First time 12 month license for Mobile Credential Issuance. One required per server. Requires OnGuard 7.3 or higher and active SUSP-ADV-TR-1, TR-2, Or TR-3 support plan.

**SSR-MCI-ADV** 12 month Renewal or Extension for Mobile Credential Issuance. One required per server. Requires SSM-MCI-ADV license and active SUSP-ADV-TR-1, TR-2, Or TR-3 support

### Mobile Credential Issuance for PRO Systems

**SSM-MCI-PRO-A** First time 12 month license for Mobile Credential Issuance. One required per server. Requires OnGuard 7.3 or higher and active SUSP-PRO-TR-1 or TR-2 support plan.

**SSR-MCI-PRO-A** 12 month Renewal or Extension for Mobile Credential Issuance. One required per server. Requires SSM-MCI-PRO-A license and active SUSP-PRO-TR-1 or TR-2 support plan.

**SSM-MCI-PRO-B** First time 12 month license for Mobile Credential Issuance. One required per server. Requires OnGuard 7.3 or higher and active SUSP-PRO-TR-3 or TR-4 support plan.

**SSR-MCI-PRO-B** 12 month Renewal or Extension for Mobile Credential Issuance. One required per server. Requires SSM-MCI-PRO-B license and active SUSP-PRO-TR-3 or TR-4 support plan.

**SSM-MCI-PRO-C** First time 12 month license for Mobile Credential Issuance. One required per server. Requires OnGuard 7.3 or higher and active SUSP-PRO-TR-5 support plan.

**SSR-MCI-PRO-C** 12 month Renewal or Extension for Mobile Credential Issuance. One required per server. Requires SSM-MCI-PRO-C license and active SUSP-PRO-TR-5 support plan.



### Mobile Credential Issuance for Enterprise Systems

Mobile Credential Issuance may be purchased separately for any region and/or master in an OnGuard Enterprise system.

SSM-MCI-MAS	First time 12 month license for Mobile Credential Issuance. One required per server. Requires OnGuard 7.3 or higher and active SUSP-ENT-MAS support plan.
SSR-MCI-MAS	12 month Renewal or Extension for Mobile Credential Issuance. One required per server. Requires SSM-MCI-MAS license and active SUSP-ENT-MAS support plan.
SSM-MCI-REG-A	First time 12 month license for Mobile Credential Issuance. One required per server. Requires OnGuard 7.3 or higher and active SUSP-ENT-REG-TR-1 or TR-2 support plan.
SSR-MCI-REG-A	12 month Renewal or Extension for Mobile Credential Issuance. One required per server. Requires SSM-MCI-REG-A license and active SUSP-ENT-REG-TR-1 or TR-2 support.
SSM-MCI-REG-B	First time 12 month license for Mobile Credential Issuance. One required per server. Requires OnGuard 7.3 or higher and active SUSP-ENT-REG-TR-3 or TR-4 support plan.
SSR-MCI-REG-B	12 month Renewal or Extension for Mobile Credential Issuance. One required per server. Requires SSM-MCI-REG-B license and active SUSP-ENT-REG-TR-3 or TR-4 support.
SSM-MCI-REG-C	First time 12 month license for Mobile Credential Issuance. One required per server. Requires OnGuard 7.3 or higher and active SUSP-ENT-REG-TR-5 support plan.
SSR-MCI-REG-C	12 month Renewal or Extension for Mobile Credential Issuance. One required per server. Requires SSM-MCI-REG-B license and active SUSP-ENT-REG-TR-5 support plan.

### Mobile Credential Issuance for Enterprise Lite Systems

Mobile Credential Issuance may be purchased separately for any region and/or master in an OnGuard Enterprise system.

SSM-MCI-MAS-LT	First time 12 month license for Mobile Credential Issuance. One required per server. Requires OnGuard 7.3 or higher and active SUSP-W-ENT-MAS-LT support plan.
SSR-MCI-MAS-LT	12 month Renewal or Extension for Mobile Credential Issuance. One required per server. Requires SSM-MCI-MAS-LT license and active SUSP-W-ENT-MAS-LT support plan.
SSM-MCI-REG-LT	First time 12 month license for Mobile Credential Issuance. One required per server. Requires OnGuard 7.3 or higher and active SUSP-W-ENT-REG-LT support plan.
SSR-MCI-REG-LT	12 month Renewal or Extension for Mobile Credential Issuance. One required per server. Requires SSM-MCI-REG-LT license and active SUSP-W-ENT-REG-LT support plan.
SSM-MCI-REG-SM	First time 12 month license for Mobile Credential Issuance. One required per server. Requires OnGuard 7.3 or higher and active SUSP-W-ENT-REG-SM support plan.
SSR-MCI-REG-SM	12 month Renewal or Extension for Mobile Credential Issuance. One required per server. Requires SSM-MCI-REG-SM license and active SUSP-W-ENT-REG-SM support plan.

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## OnGuard Cardholder Self Service Version 2.0 - Visit Scheduling & PIN Change added

OnGuard Cardholder Self Service (CSS) is an optional module for OnGuard that allows cardholders to use a web interface to see recent access denials, request access, schedule visits, and change their badge PIN. Designated approvers can be notified and/or see a list of requests via the separately licensed 'Access Manager' browser-based client application, from which requests can be granted, denied, or held. The cardholder is then automatically notified of the action taken. Optionally, Cardholders can also see customized lists of readers and access levels for which they can request access.

Compatible with current web browsers on computers and tablet devices. New OnGuard module software license file is required and will be provided. OnGuard CSS is licensed on an annual basis, and requires a valid Software Upgrade and support Plan (SUSP) for the term of the CSS license.

### IMPORTANT:

In addition to the CSS license, an OnGuard Access Manager (OCP-AMC-1) license is required for each simultaneous Access Manager seat used. Cardholders must be configured in OnGuard with a valid Active Directory/LDAP account to log in to CSS. PIN change and visitor scheduling require OnGuard 7.4 or higher.

### ORDERING INFORMATION:

For new systems, refer to the SUSP section of this price book to determine support tier, and order the matching CSS part number(s), based on system type and reader capacity. For existing systems with a SUSP, use the same tier(s) as used by your SUSP. Maximum total subscription is 3 years.

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### Cardholder Self Service for 32 ES Systems

SSM-CSS-ES	First time 12 month license for OnGuard Cardholder Self Service module. Requires OnGuard 7.2 and active SUSP-W-ES support plan.
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SSR-CSS-ES	12 month Renewal or Extension for OnGuard Cardholder Self Service (CSS) Module. Requires SSM-CSS-ES license and active SUSP-W-ES support plan.
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### Cardholder Self Service for ADV Systems

SSM-CSS-ADV	First time 12 month license for OnGuard Cardholder Self Service module. Requires OnGuard 7.2 and active SUSP-ADV support plan.
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SSR-CSS-ADV	12 month Renewal or Extension for OnGuard Cardholder Self Service (CSS) Module. Requires SSM-CSS-ADV license and active SUSP-ADV support plan.
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### Cardholder Self Service for PRO Systems

SSM-CSS-PRO-A	First time 12 month license for OnGuard Cardholder Self Service module. Requires OnGuard 7.2 and active SUSP-PRO-TR-1 or TR-2 support plan.
SSR-CSS-PRO-A	12 month Renewal or Extension for OnGuard Cardholder Self Service (CSS) Module. Requires SSM-CSS-PRO-A license and active SUSP-PRO-TR-1 or TR-2 support plan.
SSM-CSS-PRO-B	First time 12 month license for OnGuard Cardholder Self Service module. Requires OnGuard 7.2 and active SUSP-PRO-TR-3 or TR-4 support plan.
SSR-CSS-PRO-B	12 month Renewal or Extension for OnGuard Cardholder Self Service (CSS) Module. Requires SSM-CSS-PRO-B license and active SUSP-PRO-TR-3 or TR-4 support plan.
SSM-CSS-PRO-C	First time 12 month license for OnGuard Cardholder Self Service module. Requires OnGuard 7.2 and active SUSP-PRO-TR-5 support plan.
SSR-CSS-PRO-C	12 month Renewal or Extension for OnGuard Cardholder Self Service (CSS) Module. Requires SSM-CSS-PRO-C license and active SUSP-PRO-TR-5 support plan.

### Cardholder Self Service for Enterprise Systems

OnGuard CSS may be purchased separately for any region and/or master in an OnGuard Enterprise system.

SSM-CSS-MAS	First time 12 month license for OnGuard Cardholder Self Service module. Requires OnGuard 7.2 and active SUSP-ENT-MAS support plan.
SSR-CSS-MAS	12 month Renewal or Extension for OnGuard Cardholder Self Service (CSS) Module. Requires SSM-CSS-MAS license and active SUSP-ENT-MAS support plan.
SSM-CSS-REG-A	First time 12 month license for OnGuard Cardholder Self Service module. Requires OnGuard 7.2 and active SUSP-ENT-REG-TR-1 or TR-2 support plan.
SSR-CSS-REG-A	12 month Renewal or Extension for OnGuard Cardholder Self Service (CSS) Module. Requires SSM-CSS-REG-A license and active SUSP-ENT-REG-TR-1 or TR-2 support plan.
SSM-CSS-REG-B	First time 12 month license for OnGuard Cardholder Self Service module. Requires OnGuard 7.2 and active SUSP-ENT-REG-TR-3 or TR-4 support plan.
SSR-CSS-REG-B	12 month Renewal or Extension for OnGuard Cardholder Self Service (CSS) Module. Requires SSM-CSS-REG-B license and active SUSP-ENT-REG-TR-3 or TR-4 support plan.
SSM-CSS-REG-C	First time 12 month license for OnGuard Cardholder Self Service module. Requires OnGuard 7.2 and active SUSP-ENT-REG-TR-5 support plan.
SSR-CSS-REG-C	12 month Renewal or Extension for OnGuard Cardholder Self Service (CSS) Module. Requires SSM-CSS-REG-C license and active SUSP-ENT-REG-TR-5 support plan.

### Cardholder Self Service for Enterprise Lite Systems

OnGuard CSS may be purchased separately for any region and/or master in an OnGuard Enterprise system.

SSM-CSS-MAS-LT	First time 12 month license for OnGuard Cardholder Self Service module. Requires OnGuard 7.2 and active SUSP-W-ENT-MAS-LT support plan.
SSR-CSS-MAS-LT	SSR-CSS-MAS-LT 12 month Renewal or Extension for OnGuard Cardholder Self Service (CSS) Module. Requires SSM-CSS-MAS-LT license and active SUSP-W-ENT-MAS-LT support plan.
SSM-CSS-REG-LT	SSM-CSS-REG-LT First time 12 month license for OnGuard Cardholder Self Service module. Requires OnGuard 7.2 and active SUSP-W-ENT-REG-LT support plan.
SSR-CSS-REG-LT	SSR-CSS-REG-LT 12 month Renewal or Extension for OnGuard Cardholder Self Service (CSS) Module. Requires SSM-CSS-REG-LT license and active SUSP-W-ENT-REG-LT support plan.
SSM-CSS-REG-SM	SSM-CSS-REG-SM First time 12 month license for OnGuard Cardholder Self Service module. Requires OnGuard 7.2 and active SUSP-W-ENT-REG-SM support plan.
SSR-CSS-REG-SM	SSR-CSS-REG-SM 12 month Renewal or Extension for OnGuard Cardholder Self Service (CSS) Module. Requires SSM-CSS-REG-SM license and active SUSP-W-ENT-REG-SM support plan.

## Mobile Credential Issuance - Non-Expiring License

This option grants a non-expiring license allowing seamless issuance of HID® Mobile Access and Allegion aptiQmobile™ mobile credentials from an OnGuard system. With this option, credentials can be issued for these solutions from standard OnGuard interfaces and without duplicate data entry in the manufacturers web portal, speeding issuance while avoiding data entry errors.

### NOTES:

- a) These part numbers do not include the mobile credentials themselves, only the integrated issuance.
- b) This license is not required for Lenel BlueDiamond mobile credential issuance.

### PREREQUISITES:

- 1) Account for purchase of the mobile credentials and readers (API Login and Account access to the credential service required).
- 2) Web connectivity from the OnGuard client to the internet when credentials are to be issued from an OnGuard Windows Client.
- 3) Web connectivity from the OnGuard server to the internet when credentials are to be issued from the OnGuard Credentials client.

### ORDERING INFORMATION:

For new systems, refer to the SUSP section of this price book to determine support tier and order the matching Mobile Credential Issuance (MCI) part number(s) below, based on system type and reader capacity. For existing systems with a SUSP, use the same tier(s) as used by your SUSP.

### Mobile Credential Issuance for 32 ES Systems

**LSM-MCI-ES** Non-expiring license for Mobile Credential Issuance. One required per server. Requires OnGuard 7.3 or higher and active SUSP-W-ES support plan at the time of purchase.

### Mobile Credential Issuance for ADV Systems

**LSM-MCI-ADV** Non-expiring license for Mobile Credential Issuance. One required per server. Requires OnGuard 7.3 or higher and active SUSP-ADV-TR-1, TR-2, Or TR-3 support plan at the time of purchase.

### Mobile Credential Issuance for PRO Systems

**LSM-MCI-PRO-A** Non-expiring license for Mobile Credential Issuance. One required per server. Requires OnGuard 7.3 or higher and active SUSP-PRO-TR-1 or TR-2 support plan at the time of purchase.

**LSM-MCI-PRO-B** Non-expiring license for Mobile Credential Issuance. One required per server. Requires OnGuard 7.3 or higher and active SUSP-PRO-TR-3 or TR-4 support plan at the time of purchase.

**LSM-MCI-PRO-C** Non-expiring license for Mobile Credential Issuance. One required per server. Requires OnGuard 7.3 or higher and active SUSP-PRO-TR-5 support plan at the time of purchase.

## Mobile Credential Issuance for Enterprise Systems

Mobile Credential Issuance may be purchased separately for any region and/or master in an OnGuard Enterprise system.

LSM-MCI-MAS	Non-expiring license for Mobile Credential Issuance. One required per server. Requires OnGuard 7.3 or higher and active SUSP-ENT-MAS support plan at the time of purchase.
LSM-MCI-REG-A	Non-expiring license for Mobile Credential Issuance. One required per server. Requires OnGuard 7.3 or higher and active SUSP-ENT-REG-TR-1 or TR-2 support plan at the time of purchase.
LSM-MCI-REG-B	Non-expiring license for Mobile Credential Issuance. One required per server. Requires OnGuard 7.3 or higher and active SUSP-ENT-REG-TR-3 or TR-4 support plan at the time of purchase.
LSM-MCI-REG-C	Non-expiring license for Mobile Credential Issuance. One required per server. Requires OnGuard 7.3 or higher and active SUSP-ENT-REG-TR-5 support plan at the time of purchase.

## Mobile Credential Issuance for Enterprise Lite Systems

Mobile Credential Issuance may be purchased separately for any region and/or master in an OnGuard Enterprise system.

LSM-MCI-MAS-LT	Non-expiring license for Mobile Credential Issuance. One required per server. Requires OnGuard 7.3 or higher and active SUSP-W-ENT-MAS-LT support plan at the time of purchase.
LSM-MCI-REG-LT	Non-expiring license for Mobile Credential Issuance. One required per server. Requires OnGuard 7.3 or higher and active SUSP-W-ENT-REG-LT support plan at the time of purchase.
LSM-MCI-REG-SM	Non-expiring license for Mobile Credential Issuance. One required per server. Requires OnGuard 7.3 or higher and active SUSP-W-ENT-REG-SM support plan at the time of purchase.

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## Cardholder Self Service - Non-Expiring License

OnGuard Cardholder Self Service (CSS) is an optional module for OnGuard that allows cardholders to use a web interface to see recent access denials, request access, schedule visits, and change their badge PIN. Designated approvers then get notified and/or see a list of requests via a separate 'Access Manager' web interface, from which requests can be granted, denied, or held.

The cardholder is then automatically notified of the action taken. Optionally, Cardholders can also see customized lists of readers and access levels for which they can request access. Compatible with current web browsers on computers and tablet devices. Not recommended for smartphones and other small screen devices. New OnGuard module software license file is required and will be provided. Only with this special offer, OnGuard CSS can be licensed on a non-expiring basis, and requires a valid Software Upgrade and support Plan (SUSP) at the time of purchase.

### IMPORTANT:

In addition to the CSS license, an OnGuard Access Manager (OCP-AMC-1) license is required for each simultaneous Access Manager seat used. Cardholders must be configured in OnGuard with a valid Active Directory/LDAP account to log in to CSS. PIN change and visitor scheduling require OnGuard 7.4 or higher.

### ORDERING INFORMATION:

For new systems, refer to the SUSP section of this price book to determine support tier, and order the matching CSS part number(s), based on system type and reader capacity. For existing systems with a SUSP, use the same tier(s) as used by your SUSP.

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### Cardholder Self Service for 32 ES Systems

**LSM-CSS-ES** Non-expiring license for OnGuard Cardholder Self Service module. Requires OnGuard 7.2 and active SUSP-W-ES support plan.

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### Cardholder Self Service for ADV Systems

**LSM-CSS-ADV** Non-expiring license for OnGuard Cardholder Self Service module. Requires OnGuard 7.2 and active SUSP-ADV support plan.

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### Cardholder Self Service for PRO Systems

Mobile Credential Issuance may be purchased separately for any region and/or master in an OnGuard Enterprise system.

**LSM-CSS-PRO-A** Non-expiring license for OnGuard Cardholder Self Service module. Requires OnGuard 7.2 and active SUSP-PRO-TR-1 or TR-2 support plan.

**LSM-CSS-PRO-B** Non-expiring license for OnGuard Cardholder Self Service module. Requires OnGuard 7.2 and active SUSP-PRO-TR-3 or TR-4 support plan.

**LSM-CSS-PRO-C** Non-expiring license for OnGuard Cardholder Self Service module. Requires OnGuard 7.2 and active SUSP-PRO-TR-5 support plan.

## Cardholder Self Service for Enterprise Systems

OnGuard CSS may be purchased separately for any region and/or master in an OnGuard Enterprise system.

LSM-CSS-MAS	Non-expiring license for OnGuard Cardholder Self Service module. Requires OnGuard 7.2 and active SUSP-ENT-MAS support plan.
LSM-CSS-REG-A	Non-expiring license for OnGuard Cardholder Self Service module. Requires OnGuard 7.2 and active SUSP-ENT-REG-TR-1 or TR-2 support plan.
LSM-CSS-REG-B	Non-expiring license for OnGuard Cardholder Self Service module. Requires OnGuard 7.2 and active SUSP-ENT-REG-TR-3 or TR-4 support plan.
LSM-CSS-REG-C	Non-expiring license for OnGuard Cardholder Self Service module. Requires OnGuard 7.2 and active SUSP-ENT-REG-TR-5 support plan.

## Cardholder Self Service for Enterprise Lite Systems

OnGuard CSS may be purchased separately for any region and/or master in an OnGuard Enterprise system.

LSM-CSS-MAS-LT	Non-expiring license for OnGuard Cardholder Self Service module. Requires OnGuard 7.2 and active SUSP-W-ENT-MAS-LT support plan.
LSM-CSS-REG-LT	Non-expiring license for OnGuard Cardholder Self Service module. Requires OnGuard 7.2 and active SUSP-W-ENT-REG-LT support plan.
LSM-CSS-REG-SM	Non-expiring license for OnGuard Cardholder Self Service module. Requires OnGuard 7.2 and active SUSP-W-ENT-REG-SM support plan.

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## OnGuard WATCH

OnGuard WATCH (Web Access, Trending, and Comprehensive Health) is an optional module for OnGuard that allows monitoring of the servers in an OnGuard system (including OnGuard, Database, and Communications Servers), as well as activity in user defined areas. OnGuard WATCH provides server health and status monitoring, as well as useful statistics and charts covering system counts, alarm counts, etc. Compatible with current web browsers on computers and tablet devices. Not recommended for smartphones and other small screen devices. New OnGuard module software license file is required and will be provided. Includes settable thresholds and alerts. OnGuard WATCH is licensed on an annual basis, and requires a valid Software Upgrade and support Plan (SUSP) for the term of the WATCH license.

### NOTE:

OnGuard WATCH is not currently supported in Oracle Database, NEC ExpressCluster or Microsoft Clustering environments. OnGuard WATCH can be installed on an OnGuard Enterprise system, but WATCH data does not propagate between OnGuard Enterprise servers.

### ORDERING INFORMATION:

For new systems, refer to the SUSP section of this price book to determine support tier, and order the matching WATCH part number(s), based on system type and reader capacity. For existing systems with a SUSP, use the same tier(s) as used by your SUSP. Maximum total subscription is 3 years.

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### WATCH for 32 ES Systems

SSM-WATCH-ES	First time 12 month license for OnGuard WATCH Module. Requires OnGuard 7.1 or higher and active SUSP-ES support plan.
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SSM-WATCH-ES	12 month Renewal or Extension for OnGuard WATCH. Requires SSM-WATCH-ES license and active SUSP-ES support plan.
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### WATCH for ADV Systems

SSM-WATCH-ADV	First time 12 month license for OnGuard WATCH Module. Requires OnGuard 7.1 or higher and active SUSP-ADV support plan.
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SSR-WATCH-ADV	12 month Renewal or Extension for OnGuard WATCH. Requires SSM-WATCH-ADV license and active SUSP-ADV support plan.
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### WATCH for PRO Systems

SSM-WATCH-PRO-A	First time 12 month license for OnGuard WATCH Module. Requires OnGuard 7.1 or higher and active SUSP-PRO-TR-1 or TR-2 support plan.
SSR-WATCH-PRO-A	12 month Renewal or Extension for OnGuard WATCH. Requires SSM-WATCH-PRO-A license and active SUSP-PRO-TR-1 or TR-2 support plan.
SSM-WATCH-PRO-B	First time 12 month license for OnGuard WATCH Module. Requires OnGuard 7.1 or higher and active SUSP-PRO-TR-3 or TR-4 support plan.
SSR-WATCH-PRO-B	12 month Renewal or Extension for OnGuard WATCH. Requires SSM-WATCH-PRO-B license and active SUSP-PRO-TR-3 or TR-4 support plan.
SSM-WATCH-PRO-C	First time 12 month license for OnGuard WATCH Module. Requires OnGuard 7.1 or higher and active SUSP-PRO-TR-5 support plan.
SSR-WATCH-PRO-C	12 month Renewal or Extension for OnGuard WATCH. Requires SSM-WATCH-PRO-C license and active SUSP-PRO-TR-5 support plan.

### WATCH for Enterprise Systems

OnGuard WATCH may be purchased separately for any region and/or master in an OnGuard Enterprise system.

SSM-WATCH-MAS	First time 12 month license for OnGuard WATCH Module. Requires OnGuard 7.1 or higher and active SUSP-ENT-MAS support plan.
SSR-WATCH-MAS 12	12 month Renewal or Extension for OnGuard WATCH. Requires SSM-WATCH-MAS license and active SUSP-ENT-MAS support plan.
SSM-WATCH-REG-A	First time 12 month license for OnGuard WATCH Module. Requires OnGuard 7.1 or higher and active SUSP-ENT-REG-TR-1 or TR-2 support plan.
SSR-WATCH-REG-A	12 month Renewal or Extension for OnGuard WATCH. Requires SSM-WATCH-REG-A license and active SUSP-ENT-REG-TR-1 or TR-2 support plan.
SSM-WATCH-REG-B	First time 12 month license for OnGuard WATCH Module. Requires OnGuard 7.1 or higher and active SUSP-ENT-REG-TR-3 or TR-4 support plan.
SSR-WATCH-REG-B	12 month Renewal or Extension for OnGuard WATCH. Requires SSM-WATCH-REG-B license and active SUSP-ENT-REG-TR-3 or TR-4 support plan.
SSM-WATCH-REG-C	First time 12 month license for OnGuard WATCH Module. Requires OnGuard 7.1 or higher and active SUSP-ENT-REG-TR-5 support plan.
SSR-WATCH-REG-C	12 month Renewal or Extension for OnGuard WATCH. Requires SSM-WATCH-REG-C license and active SUSP-ENT-REG-TR-5 support plan.

### WATCH for Enterprise Lite Systems

OnGuard WATCH may be purchased separately for any region and/or master in an OnGuard Enterprise system.

SSM-WATCH-MAS-LT	First time 12 month license for OnGuard WATCH Module. Requires OnGuard 7.1 or higher and active SUSP-W-ENT-MAS-LT support plan.
SSR-WATCH-MAS-LT	12 month Renewal or Extension for OnGuard WATCH. Requires SSM-WATCH-MAS-LT license and active SUSP-W-ENT-MAS-LT support plan.
SSM-WATCH-MAS-LT	First time 12 month license for OnGuard WATCH Module. Requires OnGuard 7.1 or higher and active SUSP-W-ENT-REG-LT support plan.
SSR-WATCH-MAS-LT	12 month Renewal or Extension for OnGuard WATCH. Requires SSM-WATCH-REG-LT license and active SUSP-W-ENT-REG-LT support plan.
SSM-WATCH-REG-SM	First time 12 month license for OnGuard WATCH Module. Requires OnGuard 7.1 or higher and active SUSP-W-ENT-REG-SM support plan.
SSR-WATCH-REG-SM	2 month Renewal or Extension for OnGuard WATCH. Requires SSM-WATCH-REG-SM license and active SUSP-W-ENT-REG-SM support plan.

## OnGuard WATCH - Non-Expiring License

OnGuard WATCH (Web Access, Trending, and Comprehensive Health) is an optional module for OnGuard that allows monitoring of the servers in an OnGuard system (including OnGuard, Database, and Communications Servers), as well as activity in user defined areas. OnGuard WATCH provides server health and status monitoring, as well as useful statistics and charts covering system counts, alarm counts, etc. Compatible with current web browsers on computers and tablet devices. Not recommended for smartphones and other small screen devices. New OnGuard module software license file is required and will be provided. Includes settable thresholds and alerts. OnGuard WATCH non-expiring license requires a valid Software Upgrade and support Plan (SUSP) at the time of purchase.

**NOTE:**

OnGuard WATCH is not currently supported in Oracle Database, NEC ExpressCluster or Microsoft Clustering environments. OnGuard WATCH can be installed on any server in an OnGuard Enterprise system, but WATCH data does not propagate between OnGuard Enterprise servers or provide system-wide data.

**ORDERING INFORMATION:**

For new systems, refer to the SUSP section of this price book to determine support tier, and order the matching WATCH part number(s), based on system type and reader capacity. For existing systems with a SUSP, use the same tier(s) as used by your SUSP.

### WATCH for 32 ES Systems

LSM-WATCH-ES	Non-expiring license for OnGuard WATCH Module. Requires OnGuard 7.1 or higher and active SUSP-ES support plan.
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### WATCH for ADV Systems

LSM-WATCH-ADV	Non-expiring license for OnGuard WATCH Module. Requires OnGuard 7.1 or higher and active SUSP-ADV support plan.
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### WATCH for PRO Systems

LSM-WATCH-PRO-A	Non-expiring license for OnGuard WATCH Module. Requires OnGuard 7.1 or higher and active SUSP-PRO-TR-1 or TR-2 support plan.
LSM-WATCH-PRO-B	Non-expiring license for OnGuard WATCH Module. Requires OnGuard 7.1 or higher and active SUSP-PRO-TR-3 or TR-4 support plan.
LSM-WATCH-PRO-C	Non-expiring license for OnGuard WATCH Module. Requires OnGuard 7.1 or higher and active SUSP-PRO-TR-5 support plan.

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### WATCH for Enterprise Systems

OnGuard WATCH may be purchased separately for any region and/or master in an OnGuard Enterprise system.

LSM-WATCH-MAS	Non-expiring license for OnGuard WATCH Module. Requires OnGuard 7.1 or higher and active SUSP-ENT-MAS support plan.
LSM-WATCH-REG-A	Non-expiring license for OnGuard WATCH Module. Requires OnGuard 7.1 or higher and active SUSP-ENT-REG-TR-1 or TR-2 support plan.
LSM-WATCH-REG-B	Non-expiring license for OnGuard WATCH Module. Requires OnGuard 7.1 or higher and active SUSP-ENT-REG-TR-3 or TR-4 support plan.
LSM-WATCH-REG-C	Non-expiring license for OnGuard WATCH Module. Requires OnGuard 7.1 or higher and active SUSP-ENT-REG-TR-5 support plan.

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### WATCH for Enterprise Lite Systems

OnGuard WATCH may be purchased separately for any region and/or master in an OnGuard Enterprise system.

LSM-WATCH-MAS-LT	Non-expiring license for OnGuard WATCH Module. Requires OnGuard 7.1 or higher and active SUSP-W-ENT-MAS-LT support plan.
LSM-WATCH-REG-LT	Non-expiring license for OnGuard WATCH Module. Requires OnGuard 7.1 or higher and active SUSP-W-ENT-REG-LT support plan.
LSM-WATCH-REG-SM	Non-expiring license for OnGuard WATCH Module. Requires OnGuard 7.1 or higher and active SUSP-W-ENT-REG-SM support plan.

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## OnGuard® Policies software module

**Give the right access to the right people at the right time.**

This tool helps assess, develop and enforce access and security policies. Policies and rules are defined based on cardholder attributes, and related OnGuard Access Levels. Access levels may be required or prohibited based on policy.

This OnGuard module provides a responsive browser-based user interface - no client installation is required.

**NOTE:**

OnGuard WATCH is not currently supported in Oracle Database, NEC ExpressCluster or Microsoft Clustering environments. OnGuard WATCH can be installed on any server in an OnGuard Enterprise system, but WATCH data does not propagate between OnGuard Enterprise servers or provide system-wide data.

**ORDERING INFORMATION:**

For new systems, refer to the SUSP section of this price book to determine support tier, and order the matching WATCH part number(s), based on system type and reader capacity. For existing systems with a SUSP, use the same tier(s) as used by your SUSP.

<http://www.lenel.com/products/onguard-policies>

Please contact your Lenel sales representative to arrange for a quote to add the OnGuard Policies module to your OnGuard system.

## OnGuard Server And Client Upgrades

The purchase of Server Capacity Upgrades does not replace or extend a software support plan. Upgrades include OnGuard Software Licenses; this does not include any Third Party Software. You must also upgrade your personal computers to the minimum OnGuard computer requirements . Upgrading from 32ES, ADV or PRO to Enterprise requires a quote from Lenel Inside Sales and/or PES (Professional Engineering Services).

\*To start the process, please email the customer service team at [firesecuritycs@carrier.com](mailto:firesecuritycs@carrier.com)

### PLEASE NOTE:

Upgrading DOES NOT give you any additional years of support.

### 32ES & IDES UPGRADES

UPS-ID32I	<p>IDES TO 32ESI Upgrade</p> <ul style="list-style-type: none"> <li>▪ Adds reader count of 32</li> <li>▪ Adds QTY of 1 for Sys Admin, Map Designer and Alarm Monitoring</li> </ul> <p>OnGuard IDES to OnGuard 32ESI</p>
UPS-3232I	<p>UPS-3232I 32ES TO 32ESI Upgrade</p> <ul style="list-style-type: none"> <li>▪ Adds QTY of 1 to ID Credential Center options</li> </ul> <p>OnGuard 32ES to OnGuard 32ESI</p>
UPS-3264	<p>UPS-3264 32ES TO ADV Upgrade</p> <ul style="list-style-type: none"> <li>▪ Increases reader count by 32</li> <li>▪ Requires client upgrades [UPC-32ADV]</li> </ul> <p>OnGuard 32ES to OnGuard ADV</p>
UPS-3264I	<p>UPS-3264I 32ESI TO ADVI Upgrade</p> <ul style="list-style-type: none"> <li>▪ Increases reader count by 32</li> <li>▪ Requires client upgrades [UPC-32ADV, UPC-IDESIDADV or UPC-323ADV]</li> </ul> <p>OnGuard 32ESI to OnGuard ADVI</p>
UPS-IDESADV	<p>UPS-IDESADV IDES TO IDADV Upgrade</p> <ul style="list-style-type: none"> <li>▪ Requires client upgrades [UPC-IDESIDADV]</li> </ul> <p>OnGuard IDES to OnGuard IDADV</p>

### ADV & IDADV UPGRADES

UPS-ID64I	<p>IDADV TO ADVI Upgrade</p> <ul style="list-style-type: none"> <li>▪ Adds reader count of 64</li> <li>▪ Adds QTY of 1 for Sys Admin, Map Designer and Alarm Monitoring</li> </ul> <p>OnGuard IDADV to OnGuard ADVI</p>
UPS-6464I	<p>UPS-6464I ADV TO ADVI Upgrade</p> <ul style="list-style-type: none"> <li>▪ Adds QTY of 1 to ID Credential Center options</li> </ul> <p>OnGuard ADV to OnGuard ADVI</p>
UPS-64PRO	<p>UPS-64PRO ADV TO PRO Upgrade</p> <ul style="list-style-type: none"> <li>▪ Increases reader count by 64</li> </ul> <p>OnGuard ADV to OnGuard PRO</p>
UPS-64PROI	<p>UPS-64PROI ADVI TO PROI Upgrade</p> <ul style="list-style-type: none"> <li>▪ Increases reader count by 64</li> </ul> <p>OnGuard ADVI to OnGuard PROI</p>
UPS-IDPRO	<p>UPS-IDPRO IDADV TO IDPRO Upgrade</p> <p>OnGuard IDADV to OnGuard IDPRO</p>

## PRO & IDPRO UPGRADES

UPS-IDPROI	IDPRO TO PROI Upgrade <ul style="list-style-type: none"> <li>▪ Adds reader count of 128</li> <li>▪ Adds QTY of 1 for Sys Admin, Map Designer and Alarm Monitoring</li> </ul> IDPRO to OnGuard PROI
UPS-PROI	UPS-PROI PRO TO PROI Upgrade <ul style="list-style-type: none"> <li>▪ Adds QTY of 1 to ID Credential Center options</li> </ul> OnGuard PRO to OnGuard PROI

## ENTERPRISE UPGRADES

UPS-SMREG	Regional Small to Regional Lite Upgrade <ul style="list-style-type: none"> <li>▪ Increases reader count by 48</li> </ul> Enterprise Regional SM server to Enterprise Regional Lite Server
UPS-LTREG1	Regional Lite to Regional Server Upgrade <ul style="list-style-type: none"> <li>▪ Increases reader count by 64</li> </ul> Enterprise Regional Lite server to Enterprise Regional Server
UPS-LTMAS1	Enterprise Master Lite to Enterprise Master Upgrade <ul style="list-style-type: none"> <li>▪ Increases reader count by 64</li> <li>▪ Bumps max number of regions allowed by 2 more</li> </ul> Enterprise Master Lite server to Enterprise Master Server

## Client Upgrades

Upgrades include OnGuard Software Licenses; this does not include any Third Party Software. You must also upgrade your personal computers to the minimum OnGuard computer requirements .

UPS-SMREG	UPC-32ADV OnGuard 32ES to OnGuard ADV [when using UPS-3264]
UPS-3232I	UPC-3232I OnGuard 32ES to OnGuard 32ESI [when using UPS-3232I]
UPS-ADVADVI	UPC-ADVADVI OnGuard ADV to OnGuard ADVI [when using UPS-6464I]
UPS-IDESIDADV	UPC-IDESIDADV OnGuard IDES to OnGuard IDADV [when using UPS-IDESADV]
UPS-ID32I	UPC-ID32I OnGuard IDES to OnGuard 32ESI [when using UPS-ID32I]
UPS-32ADVI	UPC-IDADVI OnGuard IDADV to OnGuard ADVI [when using UPS-ID64I]
UPS-32ADVI	UPC-32ADVI OnGuard 32ESI to OnGuard ADVI [when using UPS-3264I]

## Reader Capacity Upgrades

32ES-32RUP	Reader Capacity Upgrades on OnGuard 32ES Systems Only [includes 32ES & 32ESI] 32 Access Readers upgrade for all 32ES systems (max of 64 readers).
64ADV-64RUP	Reader Capacity Upgrades on OnGuard ADV Systems Only [includes ADV & ADVI] 64ADV-64RUP 64 Access Readers upgrade for all ADV systems (max of 256 readers).
PRO-64RUP	Reader Capacity Upgrades on OnGuard PRO/ENT Systems [includes PRO, PROI, ENTREG1, ENTREG-LT, ENTMAS-LT and ENTMAS1] PRO-64RUP 64 Access Readers upgrade for all PRO systems, no maximum on number of readers.
REGSM-16RUP	Reader Capacity Upgrades on OnGuard Enterprise Regional SM Systems Only REGSM-16RUP 16 Access Readers upgrade for any OnGuard Enterprise Regional SM systems, maximum of 32 readers.

## Redundant Server Licensing

To provide an easier way to purchase redundant systems, Lenel has created a new part number for the redundant server. With this new part number there is no need to purchase the license options for the redundant server. Instead of matching every server part number, you now only need a single part number for your redundant license. The redundant server class of system must match that of the primary server. The license options will automatically be carried over from the primary server to the redundant server. You will need to provide the system id [dongle id or flex net number] of the primary server at the time of ordering, if you are purchasing the redundant server at a later point in time.

### SPECIAL NOTES:

1. This policy is not retroactive to prior system purchases.
2. This policy does not apply to cold standby systems and requires the customer to use either Microsoft Clustering or NEC Express Cluster to be able to purchase this license.
3. For new systems with redundancy: Order QTY 1 SWS-XXX and QTY 1 SWS-XXX-REDU. All options, including reader-upgrades, client add-ons and channel add-ons need to be listed at full price at quantities configured for the primary server only. All options, including reader-upgrades, client add-ons and channel add-ons will be added to the redundant server at no cost and do not need to be included as additional line items when purchasing.
4. For existing non-redundant systems: Order QTY 1 SWS-XXX-REDU. You must include a reference to the primary or existing server dongle / system id. All existing options, including reader-upgrades, client add-ons and channel add-ons will be determined by Lenel and added at no cost for the redundant system (a new End User Information - Certification Form is not required).
5. For existing system with redundancy: all options, including reader-upgrades, client add-ons and channel add-ons must be listed at full price at quantities configured for the primary server only. You must also reference both dongles / system ids on any required documents.

### SWS-ADV-REDU

OnGuard ADV Redundant Server Software License – OnGuard Redundant Server software license includes; System Administration; Alarm Monitoring; Map Designer; License Server; Comm. Server; Video Verify Support; E-mail Support; Guard Tour; Login Driver; Account Linkage; support for up to 64 card access readers and first year support plan for new systems. (does not bump existing SUSP) MUST BE USED IN CONJUNCTION WITH EQUAL LEVEL PRIMARY SERVER.

### SWS-ADVI-REDU

OnGuard ADVI Redundant Server Software License - OnGuard Redundant Server software license includes; System Administration; Alarm Monitoring; Map Designer; License Server; Comm. Server; Video Verify Support; E-mail Support; Guard Tour; Login Driver; Account Linkage; support for up to 64 card access readers; ID Credential Center Application; Badge Designer Application; Image Capture; ID Printing; License Server; Cardholder Image Export; Login Driver; Enhanced Imaging Option (Chromakey and Ghosting) and first year support plan for new systems. (does not bump existing SUSP) MUST BE USED IN CONJUNCTION WITH EQUAL LEVEL PRIMARY SERVER

### SWS-PRO-REDU

OnGuard PRO Redundant Server Software License – OnGuard Redundant Server software license includes; System Administration; Alarm Monitoring; Map Designer; License Server; Comm. Server; Video Verify Support; E-mail Support; Guard Tour; Login Driver; Account Linkage; support for up to 128 card access readers and first year support plan for new systems. (does not bump existing SUSP) MUST BE USED IN CONJUNCTION WITH EQUAL LEVEL PRIMARY SERVER.

### SWS-PROI-REDU

OnGuard PROI Redundant Server Software License – OnGuard Redundant Server software license includes; System Administration; Alarm Monitoring; Map Designer; License Server; Comm. Server; Video Verify Support; E-mail Support; Guard Tour; Login Driver; Account Linkage; support for up to 128 card access readers; ID Credential Center Application; Badge Designer Application; Image Capture; ID Printing; License Server; Cardholder Image Export; Login Driver; Enhanced Imaging Option (Chromakey and Ghosting) and first year support plan for new systems. (does not bump existing SUSP) - MUST BE USED IN CONJUNCTION WITH EQUAL LEVEL PRIMARY SERVER.

**SWS-ENTMAS-LT-REDU** OnGuard Enterprise Master Lite Redundant Server Software License – OnGuard Redundant Server software license includes; System Administration; Alarm Monitoring; Map Designer; License Server; Comm. Server; Replication Administration; Database Segmentation; Video Verify Support; E-mail Support; Guard Tour; Login Driver; Account Linkage; support for up to 64 local card access readers; ID Credential Center Application; Badge Designer Application; Image Capture; ID Printing; License Server; Cardholder Image Export; Login Driver; Enhanced Imaging Option (ChromaKey and Ghosting); support for up to 8 Regions and first year support plan for new systems. NOTE: support for card access readers are based on regional server(s) card reader capacities with a maximum number of 512 readers total per Master-LT. (does not bump existing SUSP), MUST BE USED IN CONJUNCTION WITH EQUAL LEVEL PRIMARY SERVER).

**SWS-ENTMAS1-REDU** OnGuard Enterprise Master Redundant Server Software License – OnGuard Redundant Server software license includes; System Administration; Alarm Monitoring; Map Designer; License Server; Comm. Server; Replication Administration; Database Segmentation; Video Verify Support; E-mail Support; Guard Tour; Login Driver; Account Linkage; support for up to 128 local card access readers; ID Credential Center Application; Badge Designer Application; Image Capture; ID Printing; License Server; Cardholder Image Export; Login Driver; Enhanced Imaging Option (ChromaKey and Ghosting); support for up to 10 Regions and first year support plan for new systems. (does not bump existing SUSP), MUST BE USED IN CONJUNCTION WITH EQUAL LEVEL PRIMARY SERVER).

**SWS-ENTREG-SM-REDU** OnGuard Enterprise Regional SM Redundant Server Software License – OnGuard Redundant Server software license includes; System Administration; Alarm Monitoring; Map Designer; License Server; Comm. Server; Replication Administration; Database Segmentation; Video Verify Support; E-mail Support; Guard Tour; Login Driver; Account Linkage; support for up to 16 card access readers [optional 16 reader upgrade available]; ID Credential Center Application; Badge Designer Application; Image Capture; ID Printing; License Server; Cardholder Image Export; Login Driver; Enhanced Imaging Option (ChromaKey and Ghosting) and first year support plan for new systems. (does not bump existing SUSP), MUST BE USED IN CONJUNCTION WITH EQUAL LEVEL PRIMARY SERVER).

**SWS-ENTREG-LT-REDU** OnGuard Enterprise Regional Lite Redundant Server Software License – OnGuard Redundant Server software license includes; System Administration; Alarm Monitoring; Map Designer; License Server; Comm. Server; Replication Administration; Database Segmentation; Video Verify Support; E-mail Support; Guard Tour; Login Driver; Account Linkage; support for up to 64 card access readers; ID Credential Center Application; Badge Designer Application; Image Capture; ID Printing; License Server; Cardholder Image Export; Login Driver; Enhanced Imaging Option (ChromaKey and Ghosting) and first year support plan for new systems. (does not bump existing SUSP), MUST BE USED IN CONJUNCTION WITH EQUAL LEVEL PRIMARY SERVER).

**SWS-ENTREG1-REDU** OnGuard Enterprise Regional Redundant Server Software License – OnGuard Redundant Server software license includes; System Administration; Alarm Monitoring; Map Designer; License Server; Comm. Server; Replication Administration; Database Segmentation; Video Verify Support; E-mail Support; Guard Tour; Login Driver; Account Linkage; support for up to 16 card access readers [optional 16 reader upgrade available]; ID Credential Center Application; Badge Designer Application; Image Capture; ID Printing; License Server; Cardholder Image Export; Login Driver; Enhanced Imaging Option (ChromaKey and Ghosting) and first year support plan for new systems. (does not bump existing SUSP), MUST BE USED IN CONJUNCTION WITH EQUAL LEVEL PRIMARY SERVER).



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**PCS-PRO-REDU**

OnGuard PRO Redundant Server System with PC – includes PC with Microsoft Windows Server 2008 R2 SP1; Standard Edition; x64 includes 5 CALS and SQL 2008 R2 x64 server database standard edition (Single Application License; 5 CALS) loaded with OnGuard Redundant Server software license which includes; System Administration; Alarm Monitoring; Map Designer; License Server; Comm. Server; Video Verify Support; Email Support; Guard Tour; Login Driver; Account Linkage; support for up to 128 card access readers and first year support plan for new systems. (does not bump existing SUSP) MUST BE USED IN CONJUNCTION WITH EQUAL LEVEL PRIMARY SERVER).

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**PCS-PROI-REDU**

OnGuard PROI Redundant Server System with PC – includes PC with Microsoft Windows Server 2008 R2 SP1; Standard Edition; x64 includes 5 CALS and SQL 2008 R2 x64 server database standard edition (Single Application License; 5 CALS) loaded with OnGuard Redundant Server software license which includes; System Administration; Alarm Monitoring; Map Designer; License Server; Comm. Server; Video Verify Support; Email Support; Guard Tour; Login Driver; Account Linkage; support for up to 128 card access readers; ID Credential Center Application; Badge Designer Application; Image Capture; ID Printing; License Server; Cardholder Image Export; Login Driver; Enhanced Imaging Option (Chroma-key and Ghosting) and first year support plan for new systems. (does not bump existing SUSP) MUST BE USED IN CONJUNCTION WITH EQUAL LEVEL PRIMARY SERVER).

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**PCS-ENTMAS1-REDU**

OnGuard Enterprise Master Redundant Server System with PC – includes PC with Microsoft Windows Server 2008 R2 SP1; Standard Edition; x64 includes 5 CALS and SQL 2008 R2 x64 server database enterprise edition (Single Application License; 10 CALS) loaded with OnGuard Redundant Server software license which includes; System Administration; Alarm Monitoring; Map Designer; License Server; Comm. Server; Replication Administration; Database Segmentation; Video Verify Support; E-mail Support; Guard Tour; Login Driver; Account Linkage; support for up to 128 local card access readers; ID Credential Center Application; Badge Designer Application; Image Capture; ID Printing; License Server; Cardholder Image Export; Login Driver; Enhanced Imaging Option (Chroma-key and Ghosting); support for up to 10 Regions and first year support plan for new systems. (does not bump existing SUSP) MUST BE USED IN CONJUNCTION WITH EQUAL LEVEL PRIMARY SERVER).

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**PCS-ENTREG1-REDU**

OnGuard Regional Redundant Server System with PC – includes PC with Microsoft Windows Server 2008 R2 SP1; Standard Edition; x64 includes 5 CALS and SQL 2008 R2 x64 server database standard edition (Single Application License; 5 CALS) loaded with OnGuard Redundant Server software license which includes; System Administration; Alarm Monitoring; Map Designer; License Server; Comm. Server; Replication Administration; Database Segmentation; Video Verify Support; E-mail Support; Guard Tour; Login Driver; Account Linkage; support for up to 128 card access readers; ID Credential Center Application; Badge Designer Application; Image Capture; ID Printing; License Server; Cardholder Image Export; Login Driver; Enhanced Imaging Option (Chroma-key and Ghosting) and first year support plan for new systems. (does not bump existing SUSP) MUST BE USED IN CONJUNCTION WITH EQUAL LEVEL PRIMARY SERVER).

## NEC Fault Tolerant Server Systems

Fault Tolerant systems provide hardware redundancy and reliability that can be used to help protect your OnGuard environment. Hardware redundancy enables maximum uptime (up to 99.999%) and does so at a very low cost of ownership. Along with maximum uptime, you also receive no session loss in the event of a hardware failure. This means that OnGuard continues to run and there is no break in service. It also means that your data is safe, redundant, and kept in sync on drives running in lockstep. NEC's Fault Tolerant solution is a great way to keep the server hardware that your OnGuard system is running on continuously available.

\*\* ALL FT SERVER ACCESSORY ADD ONS OR SPARE ITEMS MUST BE QUOTED THROUGH LENEL PRODUCT MANAGEMENT  
\*\*PRE-CONFIGURED FT SERVERS NEED TO BE ORDERED WITH SYS-DELL LINE ITEM

### Non-required OPTIONAL parts :

- a. Events originating from the FT system can be sent to Alarm Monitoring using the FT Monitoring Software.
- b. Only a single instance of DataConduIT and FT monitoring licensing is required per FT system.
- c. Both part numbers below are REQUIRED for FT Monitoring Software:
  - i. (1) CS-DEV-FTMON
  - ii. (1) SWG-1140
  - iii. (1) SIS-DELL

Please contact Global Sales at [firesecuritycs@carrier.com](mailto:firesecuritycs@carrier.com) for any configuration assistance or questions.

## NEC FT-320F-E4 FAULT TOLERANT SERVER BUNDLED OPTIONS

NEC Express 5800 Fault Tolerance Server Systems - One system comes with two server modules, which are redundant to the other. No need to purchase two redundant parts, each part contains the full Fault Tolerance redundancy.

### ENTRY LEVEL PERFORMANCE OPTION

**NEC-FT-A320F-E4A** FT Server SW & HW Chassis: R320F-E4 with Windows Server 2016 (5-Device CALs, 16-Core DG); One (1) Logical CPU (Intel Xeon E5-2630 V4); FT Control SW, 3-year standard warranty

REDUNDANT NODES EACH CONTAINING:

- 8GB DDR4 RAM
- 300GB 15K SAS Drive (OS)
- 1.2TB 10K SAS Drive (Storage)

### INTERMEDIATE LEVEL PERFORMANCE OPTION

**NEC-FT-A320F-E4B** FT Server SW & HW Chassis: R320F-E4 with Windows Server 2016 (5-Device CALs, 16-Core DG); One (1) Logical CPU (Intel Xeon E5-2630 V4); FT Control SW, 3-year standard warranty

REDUNDANT NODES EACH CONTAINING:

- 16GB DDR4 RAM
- 600GB 15K SAS Drive (OS)
- 1.2TB 10K SAS Drive (Storage)

## MID-LEVEL PERFORMANCE OPTION

NEC-FT-A320F-E4C One (1) Logical CPU (Intel Xeon E5-2630 V4); FT Control SW, 3-year standard warranty

### REDUNDANT NODES EACH CONTAINING:

- 16GB DDR4 RAM
- 300GB 15K SAS Drive (OS)
- 1.2TB 10K SAS Drive (Storage)
- 10GBe Ethernet Port

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## HIGH-LEVEL PERFORMANCE OPTION

NEC-FT-A320F-E4D FT Server SW & HW Chassis: R320F-E4 with Windows Server 2016 (5-Device CALs, 16-Core DG);  
One (1) Logical CPU (Intel Xeon E5-2630 V4); FT Control SW, 3-year standard warranty

### REDUNDANT NODES EACH CONTAINING:

- 16GB DDR4 RAM
- 600GB 15K SAS Drive (OS)
- 1.2TB 10K SAS Drive (Storage)
- 10GBe Ethernet Port

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## SOFTWARE OPTIONS

CS-DEV-FTMON NEC Fault Tolerant Server Monitor Software: The Lenel NEC Fault Tolerant Server Monitoring Service is a Windows Service designed to monitor changes in hardware and network status on NEC Fault Tolerant servers. Status changes include hardware that is removed, malfunctions, fails diagnostics, or becomes otherwise disconnected. This service will monitor for these conditions and will send an alarm for each failure to Lenel Alarm Monitoring as well as send an email message detailing the status change. This service is designed to work with any NEC Fault Tolerant server that reports status events. (requires SWG-1140).

SIS-DELL Installation and integration of OnGuard and SQL on server or client PC.

## NEC ExpressCluster Systems

NEC ExpressCluster provides redundancy and fully automated High Availability and Disaster Recovery to help protect your OnGuard environment. Each ExpressCluster system consist of an active and passive server that mirrors data (i.e OnGuard Database), reconfigures network settings and starts and stops application services (i.e. SQL Server, LS Communication Server, LS License Server, etc...) through an automated failover process to quickly recover from hardware, software and site failures.

The end result gives you an OnGuard system with minimal downtime and database system that is mirrored for fast automated recovery with little or no data loss. ExpressCluster is available in LAN and WAN editions: WAN installations are more difficult especially when active and passive servers reside on separate subnets. Due to this increased complexity, we require a Lenel PES Planning Session to complete a disaster recovery worksheet and strongly suggest the Lenel PES team for the deployment.

All ExpressCluster support is provided by and should be initiated with Lenel Technical Support. If the issue is outside of the scope or ability of Lenel TSG, then the issue will be escalated to the NEC Support Team. In order for NEC to provide support, a NEC support contract for ExpressCluster needs to be current and valid. Although it is no longer required, we continue to highly encourage and recommend the utilization and expertise of our PES team for planning phases and all deployment & configuration phases. If a complete system build / setup is required, Lenel Technical Support and NEC Support will guide the VAR to our PES offerings. Full installations & deployments are outside of the scope for Lenel Technical Support and is a service that PES offers.

ExpressCluster base products include a 1 year standard support, which includes business hours support and upgrades to minor or dot software revisions. ExpressCluster base products also include a 3 year upgrade assurance, which includes upgrades to major releases, for example upgrading from R3 to R4.

At the end of the standard support and upgrade assurance, the customer is required to stay current on support and upgrades of their system in order to receive NEC ongoing support.

**NEC ExpressCluster can be installed on (2) two physical servers, (2) virtual servers (i.e. VMWare), or a combination of the two options!**

\*\* ALL FT SERVER ACCESSORY ADD ONS OR SPARE ITEMS MUST BE QUOTED THROUGH LENEL PRODUCT MANAGEMENT  
\*\*PRE-CONFIGURED FT SERVERS NEED TO BE ORDERED WITH SYS-DELL LINE ITEM

### How To Build a NEC ExpressCluster System

The following parts are **REQUIRED**:

1. Choose either the LAN or WAN edition.

- a. Base Part numbers are:
  - i. NEC-EC-A-LANX-R3
  - ii. NEC-EC-A-WANX-R3

2. Review CPU configuration on machines and add additional CPU Licensing (Only if servers have 2+ CPU Sockets)

- a. Available numbers are:
  - i. Q24-FR00000001310
  - ii. Q24-FR00000001314

### The following parts should be renewed YEARLY:

#### 1. Choose the support plan that is specific for your version of ExpressCluster.

- a. Available part numbers are:
  - i. Q24-DN000000135329
  - ii. Q24-DN0000000135330
- b. Other support plan options may be purchased to provide higher levels of support from NEC (See NEC Support Plan)

### The following parts should be purchased if your support is EXPIRED:

#### 1. Choose the support plan that is specific for your version of ExpressCluster.

- a. Available part numbers are:
  - i. Q24-DN000000135331
  - ii. Q24-DN0000000135332

### The following parts are HIGHLY RECOMMENDED, but are optional:

#### 1. Lenel PES Involvement for Planning and Deployment

- a. Available PES deployment options include:
  - i. PES-NEC-LAN-WAN (PES provides remote planning and deployment of a LAN or WANM system)
  - ii. PES-00X (Required in conjunction with remote deployment parts if PES onsite presence is needed)
- b. Available PES planning options include:
  - i. PES-NEC-PLANNING (PES provides a planning session with the VAR and completes the DR worksheet to assist a deployment that is completed by the VAR).

#### 2. Lenel Monitoring Option for ExpressCluster

- a. OnGuard's Alarm Monitoring can receive and display events from the ExpressCluster system (i.e. Failover Occurred, HDD / Mirroring problems, etc.). The following parts are REQUIRED for the Lenel Monitoring Option:
  - i. (1) CS-DEV-ECMON
  - ii. (1) SWG-1140

## NEC ExpressCluster - Base Packages

### NEC-EC-A-LANX-R3

ExpressCluster X R3 LAN 64BIT – Includes ExpressCluster X R3 LAN 64BIT software for two security nodes (1-2 CPU sockets per server) on a Local Area Network. Includes ExpressCluster X R3 LAN Edition for Windows, a 3-year STANDARD maintenance and support, and 3-year UPGRADE Assurance.

### NEC-EC-A-WANX-R3

ExpressCluster X R3 WAN 64BIT – Includes ExpressCluster X R3 WAN 64BIT software for two server nodes (1-2 CPU sockets per server) on a Wide Area Network. Includes ExpressCluster X R3 WAN Edition for Windows Upgrade, a 3-year STANDARD maintenance and support, and 3-year UPGRADE Assurance. It is highly recommended that PES services are utilized for NEC WAN deployments. Any deployments requiring IP addressing in different subnets across the WAN will require PES services. PES services are not included.

## NEC ExpressCluster - Licensing for additional CPU support

ExpressCluster Base Package can be used on machines for 1 or 2 CPUs. If the server that ExpressCluster is being installed on has more than 2 CPUs, then you must purchase add-on CPU Sockets in order for the software to function. An add-on must be purchased for both the primary and secondary servers and each add-on will provide you with the ability to run up to 2 more CPU sockets. The add-on CPU sockets are not required if using Lenel purchased servers.

PART	DESCRIPTION
Q24-FR000000001310	ExpressCluster X R3 LAN x64 - 1-2 CPU socket add on
Q24-FR000000001314	ExpressCluster X R3 WAN x64 - 1-2 CPU socket add on

## Professional Engineering Services (PES) Remote and Onsite Deployment Options

PART	DESCRIPTION
PES-NEC-LAN-WAN	Pre-planning, remote NEC ExpressCluster LAN or WAN Deployment and Post Project Support per Cluster. Remote connection to site required for deployment. (Add PES-00X for OnSite Deployment.)
PES-00X	Daily expenses (Fixed rate expenses incurred)
PES-NEC-PLANNING	Remote Pre-Planning session for LAN or WAN Systems

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## NEC ExpressCluster - Yearly Support Plan Options (Standard)

### ExpressCluster R3 Service Program Notes Standard Software Support: (NEC Technicians / Not Lenel)

Included with PES Remote and Onsite Deployment Options: Telephone support during business hours (8AM to 8PM ET), E-mail support during business hours (8AM to 8PM ET), Periodic email notification and alerts, access to product documentation, access to patch releases within the same major product version and access to update releases within same major product versions.

#### NOTE:

ExpressCluster LAN and WAN come with one year of Standard Software Support with their purchase. You may add additional years of Standard Software Support in one year increments.

### NEW INSTALLATIONS & EXTENSIONS TO ACTIVE NEC SUPPORT PLANS

Q24-DN000000135330 EXPRESSCLUSTER LAN 1-YR STD SUPPORT+UPGRADE ASSURANCE FOR 2 NODES (1-2 CPU)

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### EXTENSIONS TO EXPIRED SUPPORT PLANS

Q24-DN000000135331 EXPRESSCLUSTER WAN 3-YR STD SUPPORT + 3-YR UPGRADE ASSURANCE FOR 2 NODES (1-2 CPU)

Q24-DN000000135332 EXPRESSCLUSTER LAN 3-YR STD SUPPORT + 3-YR UPGRADE ASSURANCE FOR 2 NODES (1-2 CPU)

## NEC ExpressCluster - Yearly Support Plan Options (Extended Support Options)

### ExpressCluster R3 Service Program Notes

#### Platinum Software Support: (NEC Technicians, Not Lenel)

24 x 7 Telephone support for up to 3 authorized named contacts, 24 x 7 e-mail support for up to 3 authorized named contacts, periodic e-mail notification and alerts, access to product support information, access to patch releases within same major product version and access to update releases within same major product versions.

#### NOTE:

If you want to upgrade to Advanced Software Support you must first buy the desired number of years of Standard Software Support then buy the upgrades to Advanced Software Support for every year of Standard Software Support you have purchased.

### ExpressCluster R3 - 1 Year Platinum Support

PART	DESCRIPTION
Q24-DN000000001563	1 year PLATINUM support for ExpressCluster X R3 LAN Edition for Windows x32. 1 node license. You must purchase two to cover both nodes. Additional Customer Information Required when ordering.
Q24-DN000000001567	1 year PLATINUM support for ExpressCluster X R3 WAN Edition for Windows x32. 1 node license. You must purchase two to cover both nodes. Additional Customer Information Required when ordering.
Q24-DN000000001554	1 year PLATINUM support for ExpressCluster X R3 LAN Edition for Windows x64. 1 node license. You must purchase two to cover both nodes. Additional Customer Information Required when ordering.
Q24-DN000000001558	1 year PLATINUM support for ExpressCluster X R3 WAN Edition for Windows x64. 1 node license. You must purchase two to cover both nodes. Additional Customer Information Required when ordering.

### ExpressCluster R3 - 3 Year Platinum Upgrade Assurance

Q24-DN000000001595	3 years PLATINUM UPGRADE Assurance for ExpressCluster X R3 LAN Edition for Windows x32 1 node license. You must purchase two to cover both nodes. Additional Customer Information Required when ordering.
Q24-DN000000001599	3 years PLATINUM UPGRADE Assurance for ExpressCluster X R3 WAN Edition for Windows x32 1 node license. You must purchase two to cover both nodes. Additional Customer Information Required when ordering.
Q24-DN000000001690	3 years PLATINUM UPGRADE Assurance for ExpressCluster X R3 WAN Edition for Windows x64 1 node license. You must purchase two to cover both nodes. Additional Customer Information Required when ordering.

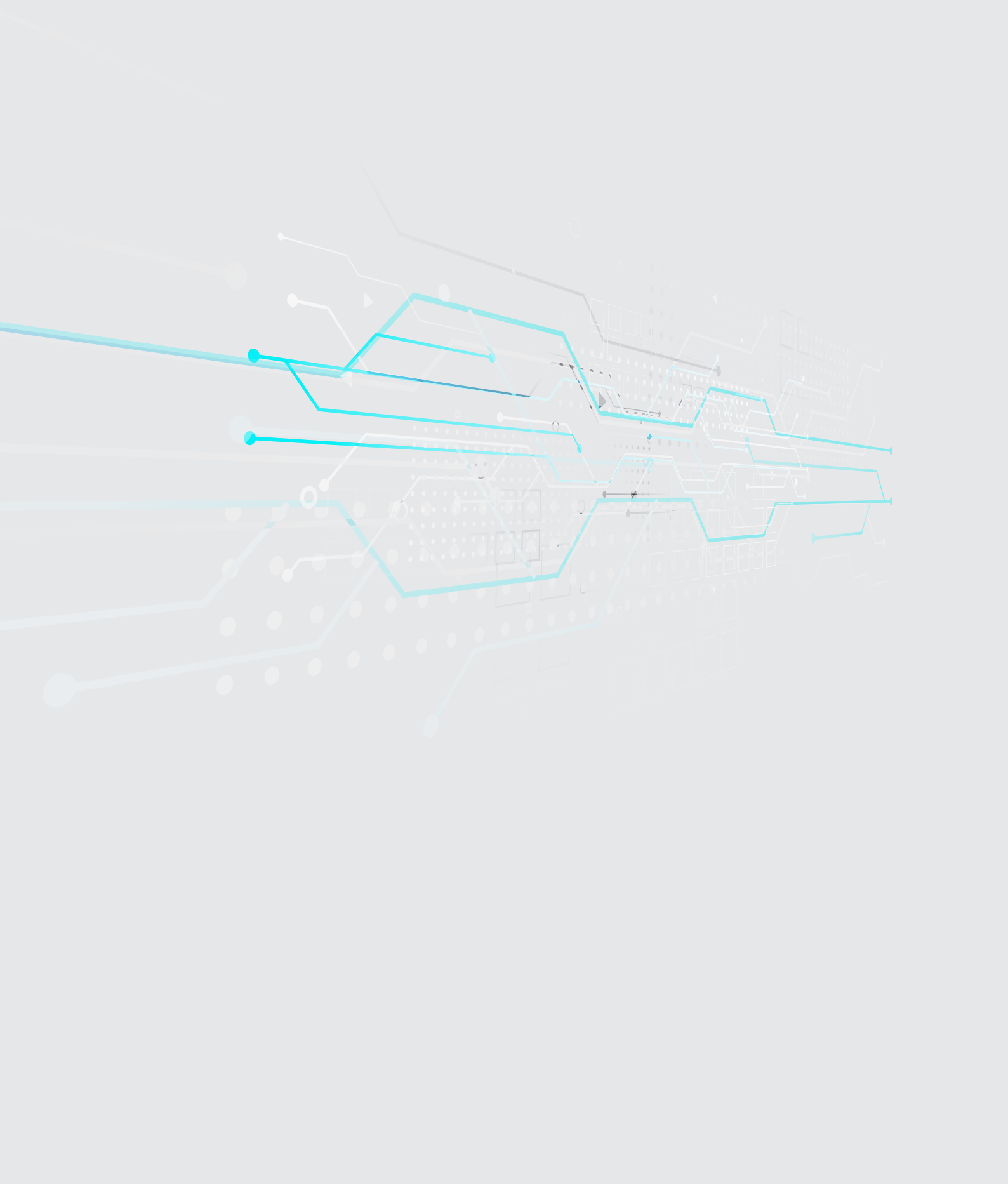
### NEC ExpressCluster - Custom Solutions Monitoring Option

CS-DEV-ECMON	NEC ExpressCluster Monitoring Software. NEC ExpressCluster Monitoring software is designed to monitor the status of the NEC ExpressCluster LAN/WAN solution and to proactively report any failures or problems. Alerts are configurable and can be sent to Alarm Monitoring and/or Email recipients. This component is designed to work with all Lenel supported versions of the NEC ExpressCluster software. (requires SWG-1140).
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# CHAPTER 2.

Access Control Hardware Products



## Lenel Access Hardware Intelligent System Controllers (ISC)

Lenel's Intelligent System Controller (ISC) serves as the predominant access control engine. The ISC provides power, performance and flexibility for the most demanding applications. Multiple combinations of Alarm Input Control Modules, Output Control Modules and card reader interface modules can be configured. All ISCs can communicate upstream via Ethernet TCP/IP 10/100 networks; older ISCs can also use 38.4 Kbps via RS-232, RS-485 multi-dropped configuration, modem dial-up communications.

### NOTE:

Due to the complexity of the memory calculations for the LNL-XXXX Intelligent System Controllers, customers should use the current version of OnGuard software for accurate panel memory calculations.

### LNL-X Series Intelligent System Controllers

**LNL-X2210** Intelligent Single Door Controller; powered by PoE, POE+ or 12 VDC @ 1.8A maximum; size 5.5 in. (140 mm) W x 3.63 in. (92 mm) L x 1.33 in. (34 mm) H with bracket; 6 MB standard cardholder flash memory, 50,000 of event memory; maximum of one door, two readers (entry and exit reader, OSDP Secure Channel encryption for one reader with OnGuard 7.2 and up, On-board PoE or PoE+ Ethernet, Dual Path capability, two inputs (supervised/unsupervised) for Door Contact and REX, two outputs (NO/NC), power fault input and cabinet tamper monitors. Reader power 12VDC@ 300mA max. Approvals: FCC Part 15, CE, RoHS, UL 294, UL 1076, CAN/ULC 60839-11-1:2016, CSA C22.2 No. 205-1983, cUL/ORD-C1076.

**LNL-X2220** Intelligent Dual Reader Controller – powered by 12 or 24 VDC @ 500mA (w/o Rdr Power), size (6" (152mm) W x 8" (203mm) L x 1" (25mm)H); 6 MB standard cardholder flash memory, 50,000 of event memory, maximum of 32 devices, On-board Ethernet, Dual Path capability, on-board two door control, OSDP Secure Channel encryption with OnGuard 7.2, Wiegand or F2F; eight inputs, four outputs, cabinet tamper and power fault input monitors. Approvals: FCC Part 15, CE, RoHS, UL 294, UL 1076, CAN/ULC 60839-11-1:2016, CSA C22.2 No. 205-1983, cUL/ORD-C1076.

**LNL-X3300** Intelligent System Controller – powered by 12 or 24 VDC @ 250mA, size (5 in. (127mm) W x 6 in. (152.4mm) L x 1 in. (25mm) H); 15 MB standard cardholder flash memory, 50,000 Event memory. Two RS-485 ports for downstream devices, maximum of 64 devices, On-board Ethernet, Dual Path capability, cabinet tamper and power fault input monitors. Approvals: FCC Part 15, CE, RoHS, UL 294, UL 1076, CAN/ULC 60839-11-1:2016, CSA C22.2 No. 205-1983, cUL/ORD-C1076.

**LNL-X4420** Intelligent Dual Reader Controller – powered by 12 or 24 VDC @ 500mA (w/o Rdr Power), size (6" (152mm) W x 8" (203mm) L x 1" (25mm)H); 16 MB standard cardholder flash memory (96MB cardholder table can be enabled in OnGuard 7.4 or higher), 50,000 of Event memory, Two RS-485 ports for downstream devices, maximum of 64 devices, On-board Ethernet, Dual Path capability, on-board two door control with OSDP Secure Channel encryption or Wiegand; eight inputs, four outputs, cabinet tamper and power fault input monitors. Approvals: FCC Part 15, CE, RoHS, UL 294, UL 1076, CAN/ULC 60839-11-1:2016, CSA C22.2 No. 205-1983, cUL/ORD-C1076.

## Communication Accessories

LNL-8000	Star Multiplexer –12 VDC, (8) Downstream RS-485 2-wire ports or (4) RS-485 4-wire ports.
LNL-837A	RS-232 /RS-485 High Speed Line Driver, stand-alone, 115 VAC 60 Hz, (115 Kbps).
LNL-838A	RS-232 /RS-485 High Speed Line Driver, stand-alone, 115 VAC 60 Hz, Optically isolated from data ground (115.2 Kbps).
LNL-108A	Converter RS-232 to RS-485.
LNL-109A	Converter RS-232 to RS-485 with Optical Isolation.

## Network Adapters

USB2-OTGE100	USB to Ethernet converter, for LNL-X Series Controllers only. Provides optional Secondary NIC connection. Second NIC should be on different subnet than primary NIC.
LNL-ETHLAN-MICR125	Secondary Ethernet connector for LNL-3300, LNL-3300-M5, and LNL-3300-GCM. Lantronix Micro125 with RJ45 connector, LEDs, with TTL pin header, RoHS.

## Lenel Board / Power Supply Accessories

LNL-STANDOFF	Standoffs to mount any LNL board on LNL Cabinets or Power Supplies [25 per bag].
LNLCSB1001ART	Sticky back nylon spacers to mount LNL-500; LNL-3300; LNL-8000 on LNL Cabinets or Power Supplies [100 per bag].
LNL-EMCSTO	Standoffs for LNL-ETHLAN-MICR125 [100 per pack].

## Input and Output Control Modules

The Input Control Module (ICM) provides the access control system with high-speed acknowledgment of critical alarm points in monitored areas. It has sixteen configurable input control points and two output control relays. The ICM supports normally open, normally closed, supervised and non-supervised circuits. The Output Control Module (OCM) communicates directly with the Intelligent System Controller (ISC) either by two-wire RS-485 or four-wire RS-485 communication. Each OCM is an individually addressed device, with a maximum of sixteen OCM's on each ISC. The output relays on both control modules can also be configured for fail-safe or fail-secure. The relays support "On", "Off", and "Pulse" controls.

### Input and Output Control Modules

LNL-1100-S3	Input Control Module (Series three) –12/24 VDC, 16 zone input monitor module, (32) 1K resistors (with 2 programmable output relays) , RoHS, CE, C-Tick and UL294 certified.
LNL-1200-S3	Output Control Module (Series three) – 12/24 VDC, 16 relay output control module , RoHS, CE, C-Tick and UL294 certified.

## Reader Interface Modules

Lenel offers a Single Reader Interface (SRI) module or Dual Reader Interface (DRI) module for business access control solutions. Each SRI (one reader each) or DRI (two readers each) can control access control card readers, keypads, or readers with keypads that use data1/data0(Wiegand), clock/data(Magnetic), OSDP (Open Supervised Device Protocol), OSDP Secure Channel and OSDP Biometric, or Bioscrypt RS-485 communications are supported. LNL-X2220 reader interface ports, and LNL-1320-S3 can also support Handkey RSI Protocol. Lock/unlock, and facility code, off-line access modes are supported on all readers connected to the either module. Each SRI & DRI can support up to sixteen different card formats as well as issue codes for all card formats.

### Reader Interface and Door Control Modules

LNL-1300-S3	Single Reader Interface Module (Series 3 - Supports OSDP Readers) – 12/24 VDC, 1 Reader interface, W/M, 2 inputs and 2 outputs relays (one of each, 2A and 5A) and cabinet tamper pigtail , RoHS, CE, C-Tick and UL294 certified.
LNL-CONV-1	Plastic Adapter plate to mount a single LNL-1300 module and a single LNL-2210 (2.75" x 4.25").
LNL-CONV-4	Adapter plate to mount up to 4 LNL-1300s in any CTX enclosure, Maximum two per LNL-CTX enclosure.
LNL-1320-S3	Dual Reader Interface Module (Series 3 –Supports OSDP Readers) – 12/24 VDC, 2 Reader interface, W/M, 8 inputs, 6 (5A) form C relays , RoHS, CE, C-Tick and UL294 certified.
LNL-1324E	IP Door Interface, OSDP Readers only, two doors supported, maximum of four OSDP readers on a single RS-485 bus, in/out readers on each door, door conact, REX, and Strike strike for each door. If no readers are connected, LNL-1324E can be used as an IP Alarm Panel, with six inputs, and four relay outputs. Options to power the LNL-1324E: POE, POE+ OR 12VDC. Dimensions: 5.5 in. (140 mm) W x 2.75 in. (70 mm) L x 0.96 in. (24 mm) H without bracket 5.5 in. (140 mm) W x 3.63 in. (92 mm) L x 1.33 in. (34 mm) H with bracket. Requires OnGuard 7.6 or higher. Will not be available until OnGuard 7.6 is released.
LNL-1K-32	Resistors – one complete set of sixteen, 1K-ohm resistors for the LNL-1100-S3, LNL-1300-S3, LNL-1320-S3, or LNL-1324E modules.

## Enclosures

The LNL-CTX-6 and LNL-CTX no longer come with power supply mounting studs due to their UL certification.

LNL-CTX	Lenel UL listed hardware enclosure (15.5" x 12.5" x 4.5"), only with lock and tamper switch. (UL Approved) (can house 2 boards).
LNL-CTX-6	Lenel UL listed hardware enclosure (24" x 18" x 4.5"), only with lock and tamper switch. (UL Approved) (can house up to 6 boards).
ABT-12	Battery Kit, includes, 12 VDC, 12 AH Battery (PS-12120) (Available North America Only).
LNL-CAM1	Lock assembly and keys for Lenel standard power supply cabinets.

## Software

LifeSafety Power's MSM Enterprise is a Windows PC based software package which allows central management of multiple LifeSafety Power network managed power systems. The Multi Site Manager (MSM) server allows the user to connect any network connected LSP device within a local network or via the internet from anywhere in the world. The included web browser interface allows access to the MSM from any location using the local network or through the internet using any web browser on a PC, Mac, tablet, smartphone, or other device.

All connected devices can be monitored for status and firmware revision on a single screen. Batch firmware updates simplify the process of keeping NetLink devices updated to the latest feature set and cybersecurity standards. Advanced analytics features of MSM Enterprise include a critical events list, formatted dashboard display of historical data, statistical data, and advanced charting and reporting features.

### **SYSTEM REQUIREMENTS:**

OPERATING SYSTEM: Windows 7, Windows 10, Windows Server 2008, Windows Server 2012, or Windows Server 2016

Processor: Intel Core i5 (minimum) - Intel Core i7 preferred

MEMORY: 8GB RAM (minimum)

DRIVE SPACE: 10GB free (minimum)

### **SOFTWARE IS DOWNLOADED FROM:**

<https://lifesafetypower.com/support/software-firmware-downloads>

LSP-MSM-25 is software license for 25 units to attach to MSM Enterprise Software. Multiples may be ordered to increase for single system capacity.

### **LSP-MSM-25**

BLOCK OF 25 LICENSES FOR MSM-ENTERPRISE. PURCHASE MULTIPLE BLOCKS FOR ADDITIONAL LICENSES. LSP ITEM: MSM-25

## Lenel M Series

Lenel is now offering the Lenel M Series, an Access Control Hardware family which facilitates customers migrating from Picture Perfect, Secure Perfect and FCWnx hardware. The Lenel M Series CPU Board, Reader Interface Boards, and I/O boards are plug compatible to the legacy Micro Series boards, and allow simple, speedy migration from legacy hardware to OnGuard Compatible hardware.

### ONE FOR ONE REPLACEMENT

LEGACY DESCRIPTION	LEGACY PART NUMBER	LENEL M SERIES PART NUMBER
PX CPU	M05BDSP / M05BDPP	LNL-3300-M5
PXN CPU	M05BLSP / M05BLPP	LNL-3300-M5
PXNplus CPU	M5PBMSP / M5PBMPP	LNL-3300-M5
2RP	110063001	LNL-1320-2RP
2SRP	110101501	LNL-1320-S2RP
8RP	110100501	LNL-1380-8RP
20 DI	110072003	LNL-1100-20DI
16 D0	110071001	LNL-1200-16D0
16 DOR	110078001	LNL-1200-16DOR
		LNL-8000-MCOM
M2000		LNL-1340-M2K

- When converting to Lenel M Series, all boards connecting to the controller backplane must be from the same family.
- Lenel M Series boards cannot be mixed with Legacy M5/M3000 boards in the same controller.
- The Lenel M Series boards only work with OnGuard 6.6 (OnGuard 2013) Service Pack 1 or higher versions of OnGuard.
- Lenel M Series provide all the benefits of Mercury Authentic Hardware.

## Lenel M Series Boards

LNL-3300-M5	Intelligent System Controller, 12 VDC, Size (4 in. W x 10.25 in. L) RoHS
LNL-8000-MCOM	Power/ Communications Module-Provides RS485 comm & Power to enclosure; Size (4 in. W x 10.25 in. L) RoHS
LNL-1320-2RP	Dual Reader Interface Module (Supports Wiegand, Magstripe, F2F, Supervised F2F Rdr). 12/ VDC; 2 Rdr interface;4 unsupervised inputs; 6 (5A) form C relays ; RoHS
LNL-1320-S2RP	Dual Reader Interface Module (Supports Wiegand, Magstripe, F2F & SF2FRdr) 12 VDC; 2 Rdr interface; 4 supervised inputs; 6 (5A) form C relays ; RoHS
LNL-1380-8RP	Eight Reader Interface Module (Supports SF2F Rdr) 12/VDC; 8 Rdr interface; RoHS
LNL-1200-16DO	Output Control Module, 12 VDC; 16 driver open collector module ; RoHS
LNL-1200-16DOR	Output Control Module, 12 VDC; 16 relay output control module ; RoHS
LNL-1100-20DI	Input Control Module, 12 VDC; 20 zone input module RoHS
LNL-1340-M2K	Bridge Board for GE/CASI M2000 IO board. 4 SF2F Readers, 10 Inputs, 8 Relay Outputs. UL 294, CE, RoHS. Head-of-Line LNL-1340-M2K requires LNL-3300-M5. OnGuard 7.2 or
LNL-8000-M5	8 Port RS-485 Multiplexer, form factor for M5/M3000 card cage, Typically replaces 8RP. Reuse existing wiring to deploy LNL-1300 in WIU or M/RJ location, allows upgrade to new reader technologies such as encrypted OSDP

## Lenel ACU Series

LenelS2 is now offering the Lenel ACU Series, an Access Control Hardware family which facilitates customers migrating from Infographics and FCWnx ACU family hardware. The Lenel ACU Series ISC Boards are plug compatible to the legacy ACU Series boards, and allow simple, speedy migration from legacy hardware to OnGuard Compatible hardware. Legacy Reader Interface Boards (RRE1, RRE2 and RRE4) and legacy I/O Boards (RIM16 and RRM 16) can remain in place, the Lenel ACU Series ISCs can communicate with them. SWG-1635 is required to configure ACU Controllers in OnGuard.

### ONE FOR ONE REPLACEMENT

LEGACY DESCRIPTION	LEGACY PART NUMBER	Lenel ACU Series Part Number
ACURT4 Controller (Topaz Controller)	ACURT2 ACURT4	LNL-2240-RS4 LNL-2240-RS4 LNL-2240-RS4
ACURS4 Controller	ACURS2 ACURS4	LNL-2240-RS4 LNL-2240-RS4 LNL-2240-RS4
ACU-XL16 Controller	ACUXL16	LNL-3300-ACUXL

- When converting to Lenel ACU Series, remove the legacy controller from cabinet, replace with Lenel ACU Series ISC, which mounts to the same standoffs, and uses the same connectors.
- Lenel ACU Series boards
- The Lenel ACU Series boards only work with OnGuard 7.3 or higher versions of OnGuard.
- Lenel ACU Series provide all the benefits of Mercury Authentic Hardware
- Lenel ACU Series ISC can support standard LNL reader interfaces and IO boards (LNL-1300/1320/1100/1200), but LNL standard hardware cannot be mixed on the same bus as Legacy Infographics reader interfaces or I/O (RRE1/RRE2/RR4/RIM16/RRM16).
- Lenel ACU Series ISC only communicate via IP connection to OnGuard.

## Lenel ACU Series Boards

LNL-2240-RS4	Replacement ISC for ACURS2, ACURS4, ACURT2 and ACURT4 Controllers, only communicates to OnGuard 7.3 or higher.. Board only. Connectors not included.
LNL-3300-ACUXL	Replacement ISC for ACUXL16 Controller, only communicates to OnGuard 7.3 or higher.. Board Only. Connectors Not Included.

## Lenel SH Series

LenelS2 is now offering the Lenel SH Series, an Access Control Hardware family which facilitates customers migrating from SOFTWARE HOUSE® C·CURE® and iSTAR® Pro to OnGuard.

The Lenel SH Series consists of a CPU Board, Reader Interface Boards and I/O boards; all of which are plug compatible to the legacy iSTAR Pro boards, and allow simple, speedy migration from legacy hardware to OnGuard Compatible hardware.

### ONE FOR ONE REPLACEMENT

LEGACY DESCRIPTION	LEGACY PART NUMBER	Lenel ACU Series Part Number
GCM	iStar Pro GCM	LNL-3300-GCM
ACM	iStar Pro ACM	LNL-1380-ACM
I/8	iStar Pro I/8	LNL-1100-I8
R/8	iStar Pro R/8	LNL-1200-R8

- When converting to Lenel SH Series, all boards connecting to the controller must be from the same family.
- Lenel SH Series boards cannot be mixed with Legacy iStar Pro boards in the same controller.
- The Lenel SH Series boards only work with OnGuard 7.3 or higher versions of OnGuard.
- Lenel SH Series provide all the benefits of Mercury Authentic Hardware.
- Software House devices using RM communications cannot be connected to the SH series, and will typically need to be replaced with Lenel equivalents. RM-4 and RM-4E should be replaced by LNL-1300.



### OnGuard License for SH Series Boards

SWG-1645

Enable Support for Lenel SH Series Hardware. Allows LNL-3300-GCM ISC to be configured, and reader (LNL-1380-ACM) & alarm panels (LNL-1100-I8 and LNL-1200-R8) to be configured within the OnGuard 7.3 or higher system.

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### Lenel SH Series Boards

LNL-3300-GCM

Lenel Migration replacement for iSTAR Pro GCM Board. Board Only. No Connectors.

LNL-1380-ACM

Lenel Migration replacement for iSTAR Pro ACM Board 8 Wiegand Reader Ports and 16 Inputs. Eight RS-485 ports that can support LNL-1300/LNL-1320 reader interfaces. Should not exceed eight readers per LNL-1380-ACM. . Board Only. No Connectors.

LNL-1100-I8

Lenel Migration replacement for iSTAR Pro I8 Board. Eight Supervised Inputs. Board Only.

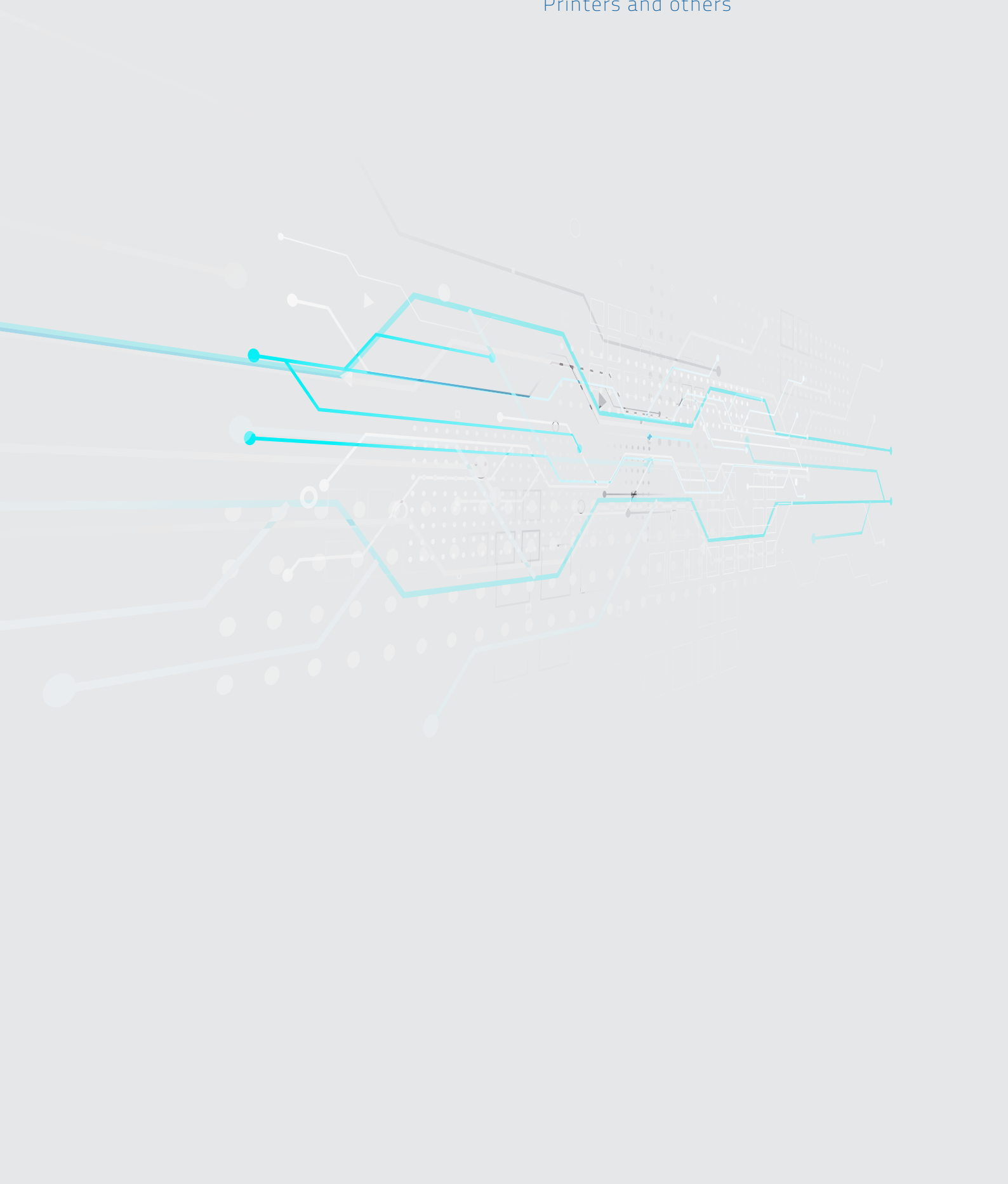
LNL-1200-R8

Lenel Migration replacement for iSTAR Pro R8 Board. Eight Relay Outputs. Board Only.

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# CHAPTER 3.

Card Readers/Cards/Card  
Printers and others



## LenelS2 (R) BlueDiamond™ Readers and Credentials for Smartphones

LenelS2 BlueDiamond™ Readers and Credentials allow Apple® and Android® phones/devices to be used as credentials for your OnGuard system. The LenelS2 BlueDiamond readers use Bluetooth® 4.0 to communicate to supported smart devices, and also support a wide range of 125kHz and 13.56MHz traditional RFID credentials. OSDP, OSDP Secure Channel, Supervised F/2F output and Wiegand communications are supported, for the widest range of access panel compatibility.

### NOTE:

BlueDiamond readers will require a configuration card for SF/2F output protocol as well as for multiple BlueDiamond readers on a single reader port for OSDP. Please see the configuration card section for more details. OnGuard System requirements for use of the BlueDiamond mobile credentials:

- OnGuard 7.3 or higher
  - Internet access for OnGuard computers (Server/Client) used to issue Mobile Credentials
  - Internet access for OnGuard OpenAccess Server when Mobile Credentials are issued from the OnGuard Credentials web app
  - Available email server configured for the OnGuard System to send Mobile Credential invitations
- Supported Phones/Devices for the BlueDiamond Mobile App, must support Bluetooth communications and is available for: Apple iOS 10.0 (or newer) or Android 6.0.x (or newer). Apple Watch app is available for watchOS 2.2 (or newer).

### NOTE:

System ID Required Unless Purchasing New System.

### SPECIAL NOTE:

Submitted purchase orders for BlueDiamond credentials require a completed BlueDiamond Mobile Customer Account Form to be processed. The form can be found at the following link (or requested from Sales Support):

### LenelS2 BlueDiamond Readers

LNL-R11330-05TB	BlueDiamond Multi-Tech Mini-Mullion Reader - Bluetooth Low Energy for Lenel BlueDiamond Mobile smartphone credential, Mifare/DESFire EV1/EV2 Open Encoding, HID iCLASS, HID Proximity, LenelProx, and ProxLite. Connects to access panel via Wiegand, Supervised F/2F (2-state or 4-state supervision); OSDP with Secure Channel encryption support, Terminal Block connection, Black (BDC-TREADER or BDC-OUTPUT configuration card required for F/2F output).
LNL-R11320-05TB	BlueDiamond Multi-Tech US Single Gang - Multi-Tech, Bluetooth Low Energy for Lenel BlueDiamond Mobile smartphone credential, Mifare/DESFire EV1/EV2 Open Encoding, HID iCLASS, HID Proximity, LenelProx, and ProxLite. Connects to access panel via Wiegand, Supervised F/2F (2-state or 4-state supervision), OSDP with Secure Channel encryption support, Terminal Block connection, Black (BDC-TREADER or BDC-OUTPUT configuration card required for F/2F output).
LNL-R11325-05TB	BlueDiamond Multi-Tech US Single Gang Reader with Keypad - Multi-Tech, Bluetooth Low Energy for Lenel BlueDiamond Mobile smartphone credential, Mifare/DESFire EV1/EV2 Open Encoding, HID iCLASS, HID Proximity, LenelProx, and ProxLite. Connects to access panel via Wiegand, Supervised F/2F (2-state or 4-state supervision), OSDP with Secure Channel encryption support, Terminal Block connection, Black (BDC-TREADER or BDC-OUTPUT configuration card required for F/2F output).
LNL-R11030-85TB	BlueDiamond Prox + Mobile Reader- Mini-Mullion form-factor Proximity card reader with BlueDiamond mobile credential support. This reader can be used with standard 125kHz RFID badges and BlueDiamond mobile credentials as a stand-alone reader, or, this reader can also be wired in parallel with an existing non-Bluetooth Wiegand reader, allowing any door to be Bluetooth enabled. Whether mounted near the door in an inconspicuous location or adjacent to it, this device will update a legacy system with the latest technology, while continuing to support existing badges - regardless of card technology or format. No additional reader license is required for this configuration.

### BlueDiamond Mobile Credentials (Minimum order - 100 pieces of a single part number)

BDM-CRD-1	BlueDiamond Mobile Credential 12 month Initial Purchase (Order in blocks of 100) - This license enables a single mobile credential for one year. Credentials may be moved from person-to-person or phone-to-phone.
BDR-CRD-1	BlueDiamond Mobile Credential 12 month Renewal (Order in blocks of 100) - This license renews a single BDM-CRD-1 mobile credential for one year. Credentials may be moved from person-to-person or phone-to-phone.

### BlueDiamond Mobile Bluetooth Dongle for Reader Provisioning

BDM-DONGLE	Bluetooth Dongle for BlueDiamond Mobile Toolkit - Required by installer to commission LenelS2 BlueDiamond readers for use with mobile credentials.
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### BlueDiamond Accessories for Reader Mounting

BD-SPACER	BlueDiamond Spacer - Spacer for Mounting the mini-mullion BlueDiamond reader.
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## LenelS2 DESFire EV2 Smart Cards for BlueDiamond Readers

LenelS2 DESFire Credentials – 13.56 MHz Lenel Secure DESFire cards. For the formats available, please refer to the ‘How to Order Guide’ or call Inside Sales for details. Pre-Programmed Cards require the LenelS2 ‘How to Order Guide’ to select the card format, Facility Code, and Starting Badge ID. Out of the box, these cards will have matching Application ID and Default Keys to work with BlueDiamond readers. The BlueDiamond readers must have Rev. 30 firmware or greater. To determine the firmware version of the reader, look for a label on the back of the reader, in the upper left hand corner - the label needs to read ‘AV90x\_5.00.0030,’ in which case, the reader has the default key enabled. If the label on the back of the reader does not read ‘AV90x\_5.00.0030,’ please contact Lenel Tech Support or Inside Sales for a configuration card to flash the readers with the Default Key to enable these cards to work with the BlueDiamond readers.

### Pre-programmed DESFire EV2 cards for BlueDiamond Readers

LNL-EV22KPP	DESFire EV2 ISO PVC 2K 13.56MHz - Pre-Programmed for LenelS2 BlueDiamond Readers [Min Order QTY of 100].
LNL-EV22KPPFOB	DESFire EV2 Plastic Keyfob 2K 13.56MHz - Pre-Programmed for LenelS2 BlueDiamond Readers (Min order QTY of 100).
LNL-EV22KPPMG	DESFire EV2 ISO PVC 2K 13.56MHz - Pre-Programmed with Mag Stripe (no pre-programmed encoding on Mag) for LenelS2 BlueDiamond Readers [Min Order QTY of 100].
LNL-EV28KPP	DESFire EV2 ISO Composite 8K 13.56 MHz -Pre-Programmed for LenelS2 BlueDiamond Readers [Min Order QTY of 100].
LNL-EV28KPPMG	DESFire EV2 ISO PVC 8K 13.56MHz - Pre-Programmed with Mag Stripe (no pre-programmed encoding on Mag) for LenelS2 BlueDiamond Mobile Readers [Min Order QTY of 100].
LNL-EV28KPXPP	DESFire EV2 ISO Composite 8K with Proximity Chip Card - Dual Technology - Pre-Programmed Proximity and Pre-Programmed 13.56MHz (for LenelS2 BlueDiamond Readers). Badge IDs will match between High and Low frequency - NOT SLOT PUNCHABLE [Min Order QTY of 100].

## LenelS2 BlueDiamond Configuration Cards for BlueDiamond Readers

<b>BDC-UNLOCK</b>	When presenting this card to the BlueDiamond reader, it will unlock the reader and within 60 seconds present the appropriate configuration card. This is an optional card so a user doesn't have to recycle power of reader.
<b>BDC-BLUETOOTH</b>	This Configuration card disables the Bluetooth radio used for mobile credentials. This card will also be used to enable the Bluetooth radio once it has been disabled by use of this card. Requires BlueDiamond reader firmware version DEV38 and greater.
<b>BDC-CSN</b>	This card is used to enable the reader to read the Card Serial Number for smart cards (iClass, Mifare and DESFire).
<b>BDC-OUTPUT</b>	This card is used to change output mode of the reader from Wiegand (Default) to 2-State SF2/F, 4-State SF2/F or back to Wiegand. If reader has been wired for OSDP, it autosenses the output type. To bring back to a Wiegand output requires this configuration card.
<b>BDC-TREADER</b>	This card is used to emulate a "Transition Reader or "T-Reader" configuration with a 2-State SF2/F output and prepares reader to read high frequency Card Serial Numbers (CSN). This is the standard "T-Reader" configuration.
<b>BDC-OSDPADD</b>	This card is used to set the OSDP Address of the reader (0-3). OSDP supports multiple readers per port with OnGuard version 7.5 or greater.
<b>BDC-OSDPBAUD</b>	Use this card to set the OSDP Baud Rate at each BlueDiamond reader using OSDP Output (9,600kbps; 19,200kbps; 38,400kbps; 115,200kbps).
<b>BDC-OSDPSEC</b>	This card will be used to enable OSDP Secure Channel Communications. Enable default base Key for Secure Channel Pairing.
<b>BDC-RDO</b>	Use this card to enable or disable the 125kHz or the 13.56MHz radios in the reader. By default, both are enabled.
<b>BDC-TONE</b>	Use this card to either enable or disable the "Tone" on a valid card read.
<b>BDC-LED</b>	This card is used to set the default LED behavior (Wiegand and SF/2F modes) on the reader. (Solid Blue - Default, Shimmer Blue, Solid Red, Shimmer Red). NOTE: OSDP commands override LED behavior.
<b>BDC-UID</b>	This card will set the passthrough of raw data for the badges 1. Passthrough (Big Endian); 2. 32 bit (Big Endian); 3. Passthrough (Little Endian); 4. 32 bit (Little Endian); 5. Mifare 4byte/DESFire 7 byte - 4002.
<b>BDC-WALLET</b>	This is a BlueDiamond branded wallet that contains all the configuration card options provided.

## Lenel "OpenCard plus OpenProx" Readers

APTIQ LINE OF READERS [replaces EOL'd XF model readers] Lenel "OpenCard plus OpenProx" readers enable you to read badges in the following card formats: Low Frequency 125 kHz (LenelProx, HID Proximity, GE CASI ProxLite, Allegion AptiQ (XceedID), AWID). Readers can also read Lenel DESFire OpenCard and XceedID Secure MIFARE, plus the non-programmable random serial number from ISO14443 and ISO15693 cards.

### NOTE:

System ID Required Unless Purchasing New System.

All models listed below come standard in black. They are also offered in cream by adding a -C to the part number. [ex: LNL-PR10-C] NO extra charge.

**Lenel Proximity Readers** - reads the following 125kHz cards: LenelProx, HID Proximity, Legacy GE CASI ProxLite, XceedID, AWID.

**LNL-PR10** Proximity Mini-Mullion Reader: Compact proximity reader, designed to fit in small spaces, or to be mounted to a door mullion; Black ; Wiegand interface.

### Lenel OpenCard Single-function SmartCard Only (No 125kHz Proximity) Readers

**LNL-SM10** Smart Mini-Mullion Reader: Compact smart reader, designed to fit in small spaces, or to be mounted to a door mullion; Black ; Wiegand interface; 75 bit PIV.

Lenel OpenCard-Secure/OpenProx Readers – Proximity, Lenel OpenCard DESFire, OES (Open Encoding Standard) Secure MIFARE, and XceedID Secure MIFARE read. Will read MIFARE badges encoded in OnGuard 2008 (6.0) or later using the OES format. [Default configuration is secure mifare enabled - to read CSN only please order configuration card CE-404-033].

**LNL-MT11** Multi-Technology Mullion Reader: Designed to be mounted to a door mullion; Black ; Wiegand interface;75 bit PIV [will also read cards encoded through OnGuard; Secure Mifare].

**LNL-MT15** Multi-Technology Single Gang Reader: Medium-sized reader designed to be mounted on a wall over a single gang junction box; Black ; Wiegand interface;75 bit PIV [will also read cards encoded through OnGuard; Secure Mifare].

**LNL-MTK15** Multi-Technology Single Gang Reader with Keypad: Medium-sized reader designed to be mounted on a wall over a single gang junction box; Black ; Wiegand interface;75 bit PIV [will also read cards encoded through OnGuard; Secure Mifare].

### Lenel OpenCard PIV Readers

Will read 200 bit PIV Endpoint Card application data, plus all OpenProx proximity (125kHz) card formats listed above.

**Lenel OpenCard-Secure/OpenProx Configuration Cards [others available]  
- works with XF model readers with firmware X02\_51 or higher and new AptiQ line of readers.**

CE-401-002	Configuration card to change LED status from flashing red to solid red; for X02_51 or higher.
CE-401-001	Configuration card to change LED status to flashing red; for X02_51 or higher.
CE-401-200	Configuration card - PIV Enable 200 bit for X02_51 or higher.
CE-404-033	Configuration card for Mifare report CSN; Disables Secure Mifare; PIV and EV1 PACSA; for X02_51 or higher.

## Lenel DESFire Smart Cards

### All Cards Can Be Ordered as Pre-Programmed or Non-Programmed

Pre-Programmed Cards require the Lenel "How to Order Guide" to select the card format, Facility Code, and Starting Badge ID. Out of the box, these cards will have matching Application ID and Default Keys to work with BlueDiamond readers. The BlueDiamond readers must have Rev. 30 firmware or greater. To determine the firmware version of the reader, look for a label on the back of the reader, in the upper left hand corner - the label needs to read "AV90x\_5.00.0030," in which case, the reader has the default key enabled. If the label on the back of the reader does not read "AV90x\_5.00.0030," please contact Lenel Tech Support or Inside sales for a configuration card to flash the readers with the Default Key to enable these cards to work with the BlueDiamond readers.

### Pre-programmed DESFire EV2 cards for BlueDiamond Readers

LNL-EV28KPP	DESFire EV2 ISO Composite 8K 13.56 MHz -Pre-Programmed for LenelS2 BlueDiamond Mobile Readers [Min Order QTY of 100].
LNL-EV22KPP	DESFire EV2 ISO PVC 2K 13.56MHz - Pre-Programmed for LenelS2 BlueDiamond Mobile Readers [Min Order QTY of 100].
LNL-EV22KPPFOB	DESFire EV2 Plastic Keyfob 2K 13.56MHz - Pre-Programmed for LenelS2 BlueDiamond Readers (Min order QTY of 100).
LNL-EV28KPXPP	DESFire EV2 ISO Composite 8K with Proximity Chip Card - Dual Technology - Pre-Programmed Proximity and Pre-Programmed 13.56MHz (for LenelS2 BlueDiamond Mobile Readers). Badge IDs will match between High and Low frequency - NOT SLOT PUNCHABLE [Min Order QTY of 100].
LNL-EV22KPPMG	DESFire EV2 ISO PVC 2K 13.56MHz - Pre-Programmed with Mag Stripe (no pre-programmed. encoding on Mag) for LenelS2 BlueDiamond Mobile Readers [Min Order QTY of 100].
LNL-EV28KPPMG	DESFire EV2 ISO PVC 8K 13.56MHz - Pre-Programmed with Mag Stripe (no pre-programmed encoding on Mag) for LenelS2 BlueDiamond Mobile Readers [Min Order QTY of 100].

### DESFire EV1 Cards can be programmed by any properly configured OnGuard system supporting DESFire encoding. DESFire EV2 Cards Require CP1000D-LENEL Encoder and OnGuard 7.5 or higher.

For use with BlueDiamond Readers, EV2 Non-Programmed Cards will require programming by OnGuard using Custom Data Object (CDO) template with the customer specific Application ID and Keys. Special configuration cards will be required to configure the BlueDiamond readers in the field.

LNL-EV22KNP	DESFire EV2 ISO PVC 2K 13.56MHz - Non-Programmed for LenelS2 BlueDiamond Mobile Readers [Min Order QTY of 100].
LNL-EV22KNPFOB	DESFire EV2 Plastic Keyfob 2K 13.56MHz - Non-Programmed for LenelS2 BlueDiamond Readers (Min order QTY of 100).

LNL-EV28KNPMG	LNL-EV28KNPMG DESFire EV2 ISO PVC 2K 13.56MHz - Non-Programmed with Mag Stripe (no pre-programmed encoding on Mag) for LenelS2 BlueDiamond Mobile Readers [Min Order QTY of 100].
LNL-EV28KNP	DESFire EV2 ISO Composite 8K 13.56 MHz -Non-Programmed for LenelS2 BlueDiamond Mobile Readers [Min Order QTY of 100].
LNL-EV28KPXNP	DESFire EV2 ISO Composite 8K with Proximity Chip Card - Dual Technology - Non-Programmed 13.56MHz (Application ID and Keys and Badge ID); Pre- Programmed Proximity format, requires formatting from 'How to order Guide' - NOT SLOT PUNCHABLE [Min Order QTY of 100].

## Lenel MIFARE Smart Cards

### All Cards Can Be Ordered as Pre-Programmed or Non-Programmed

XceedID MIFARE Credentials – 13.56 MHz XceedID Secure MIFARE cards and fobs. Composite construction for greater durability and thermal stability, at no extra charge. Default 26-bit format, other bit formats are available, call Inside Sales for details.

LNL-9420	MIFARE 2.5k bit 14443 memory card; clamshell style; with vertical slot punch [Min Order QTY of 100].
LNL-9520	MIFARE 2.5k bit 14443 memory card; direct printable ISO Card [Min Order QTY of 100].
LNL-9520M1	MIFARE 2.5k bit 14443 memory card with magnetic stripe; direct printable ISO Card [Min Order QTY of 100].
LNL-9651	MIFARE 1 Kbyte/8Kbit 14443 memory Key Fob; gray finish [Min Order QTY of 50].

### All Cards Can Be Ordered as Pre-Programmed or Non-Programmed

The following badges are recommended when encoding MIFARE badges in OnGuard using OES format [must order non-programmed to be able to encode in OnGuard].

LNL-9551	MIFARE 13,56 Mhz Card; 1 Kbyte/8Kbit; ISO 14443; direct printable ISO Card [Min Order QTY of 100].
LNL-9551M1	MIFARE 13,56 Mhz Card with magnetic stripe; 1 Kbyte/8Kbit; ISO 14443; direct printable ISO Card [Min Order QTY of 100].
LNL-9558	MIFARE 13,56 Mhz Card; 14Kbyte/32Kbit; ISO 14443; direct printable ISO Card [Min Order QTY of 100].
LNL-9558M1	MIFARE 13,56 Mhz Card with magnetic stripe; 14Kbyte/32Kbit; ISO 14443; direct printable ISO Card [Min Order QTY of 100].
LNL-9951	MIFARE/PROX Combo Card; 125kHz/13.56MHz; ISO 14443; HID Prox with Mifare 1K; preprogrammed 26 bit Prox; direct printable ISO Card [Min Order QTY of 100].
LNL-9958	MIFARE/PROX Combo Card; 125kHz/13.56MHz; ISO 14443; HID Prox with Mifare 4K; preprogrammed 26 bit Prox; direct printable ISO card [Min Order QTY of 100].
LNL-9958M1	MIFARE/PROX Combo Card with magnetic stripe; 125kHz/13.56MHz; ISO 14443; HID Prox with Mifare 4K; preprogrammed 26 bit Prox; direct printable ISO card [Min Order QTY of 100].



## Lenel Proximity Cards

Lenel now offers competitively priced 125 kHz proximity card and fobs (compatible with HID 125k Hz proximity readers). All cards are Composite construction for greater durability and thermal stability, at no extra charge. All cards and fobs listed are 26-bit Wiegand format. Other bit formats are available, call Inside Sales for details.

### Lenel Proximity Cards – 125kHz Proximity Cards and Fobs

LNL-7410	PROX clamshell card; plain white matte finish; 26-bit format pre-programmed; printed ID numbers; vertical slot punch [Min Order QTY of 100].
LNL-7510	PROX card; direct printable ISO Card; 26-bit format pre-programmed; printed ID numbers [Min Order QTY of 100].
LNL-7510M1	PROX card with magnetic stripe; direct printable ISO Card; 26-bit format pre-programmed; printed ID numbers [Min Order QTY of 100].
LNL-7610	PROX Key Fob; gray finish; 26-bit format pre-programmed [Min Order QTY of 50].

Custom Card Formats - Require card format, total number of bits, facility code, starting card number at the time of order. Custom Artwork also available call Inside Sales for details.

### Lenel Command Keypad

LNL-CK	Command Display terminal Lenel Command Keypad - 32-character back-lit LCD display with a 16-position keypad, supports both direct RS-485 communication with the ISC and Wiegand TTL output, supports one external Wiegand input, 12VDC±15% @175mA (keypad only). C-Tick Certified.
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## Lenel Indestructible Keypads and Accessories

**NOTE:**

Available in Stainless Steel, Black and Gold finishes, check with Inside Sales for more information.

LNL-834S121NN	Lenel Brushed Aluminum Keypad, 3 keys across and 4 keys down, 8-bit word output, 12 to 28. VDC, 30 mA, ADA compliant, weather proof with tamper proof keypad. Designed for a single gang electrical box.
LNL-826S121NN	Brushed Aluminum Keypad, 2 keys across and 6 keys down, 8-bit word output, 12 to 28 VDC, 30 mA, ADA compliant, weather proof with tamper proof keypad. Designed for mullion mounting.
BT-ASP-HID	Non-destructible HID proximity reader only - 5 to 12 VDC, 150 mA, 2 to 3 inch read range, weather proof , solid state pezo sounder technology and red and green status LED's. Designed for an international single gang electrical box mounting. Optional colors are available on request.

BT-ASP-iCLASS	Non-destructible HID iCLASS reader only - 5 to 12 VDC, 150 mA, 2 to 3 inch read range, weather proof , solid state pezo sounder technology and red and green status LED's. Designed for an international single gang electrical box mounting. Optional colors are available on request.
BT-ASPKP-HID	HID proximity reader with Lenel's non-destructible keypad, 2 keys across and 5 keys down, 8 bit word output, 5 to 12 VDC, 150 mA, 2 to 3 inch read range, ADA compliant, weather proof with tamper proof keypad, solid state pezo sounder technology and red, green and yellow status LED's. Designed for an international single gang electrical box mounting. Optional colors are available on request.
BT-ASPKPiCLASS	iCLASS reader with Lenel's non-destructible keypad, 2 keys across and 5 keys down, 8 bit word output, 12 to 16 VDC, 170 mA, up to a 2 inch read range, ADA compliant, weather proof with tamper proof keypad, solid state pezo sounder technology and red, green and yellow status LED's. Designed for an international single gang electrical box mounting. Optional colors are available on request.

## LenelProx Card Readers & Accessories

Lenel's Proximity Readers and cards now offer compatibility with HID prox in some models. This product line offers a lifetime warranty (except as noted below), increased card read ranges and is very competitively priced. The UHF readers offer very long read ranges compared to 125kHz and 13.56MHz technologies, with very competitively priced credentials.

### 125kHz LenelProx and HID Prox Multi-Card Readers

LPSR-2400GRMP	LenelProx/HID Prox Special Range Reader, Wiegand Output, 4 to 5.5 inch Read Range, Metal Compensated, 5-12 VDC [40 to 70 mA typical], Mullion Width, Indoor/Outdoor (color Gray).
LPMM-6800GRMP	LenelProx/HID Prox Mullion Mount Reader, Wiegand and RS232 (simultaneous) output, 6 to 8 inch Read Range, Metal Compensated, 5-12 VDC [65 to 85 mA typical], Mullion Width, Indoor/Outdoor (color Gray).
LPSP-6820GRMP	LenelProx/HID Prox Switch Plate Reader, Wiegand and RS232 (simultaneous) output, 6 to 8 inch Read Range, 5-12 VDC [65 to 85 mA typical], Single Gang Box Mount (color Gray).
LPKP-6840GRMP	LENELPROX, Gray, Proximity Card switchplate-type reader combined with a 12-key numeric Keypad, fits on a single-gang box. Read range up to 8 inches (color Gray).
LPMR-1824GRMP	LenelProx/HID Prox Mid Range Reader, Wiegand and RS232 (simultaneous) output, 18 to 24 inch Read Range, 5-12 VDC [250 to 650 mA typical] Dimensions only 8"x8"x1", Indoor/Outdoor (color Gray).
LPMR-1824MCGMP	LenelProx/HID Prox Mid Range Reader Metal Compensated, Wiegand and RS232 (simultaneous) output, 14 to 16 inch Read Range, 5-12 VDC [250 to 650 mA typical] Dimensions only 8"x8"x1", Indoor/Outdoor (color Gray).

### Cards and Tags – 125kHz LenelProx - 26 bit default format

LP-GR	Graphics Quality both sides, ISO compliant credential with laser etched card number, 26 bit default format (min order qty 100).
LP-GRMAG	Graphics Quality ISO with 3 track High-Co ABA Magnetic Stripe Graphics Quality both sides, ISO compliant credential with laser etched card number, 26 bit default format, with 3 track High-Co ABA Magnetic Stripe (min order qty 100).

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LP-CS	'Clam Shell" style Prox Badge, with laser etched card number, 26 bit default format, Prepunched in Portrait Orientation (min order qty 100).
LP-KT	Proximity Key Tag with laser etched card number, 26 bit default format (Key Fob) (min order qty 50).
LP-PW	Proximity Wafer, 1 inch diameter, adhesive backing, with laser etched card number, 26 bit default format (min order qty 50).

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### Cards and Tags – 125kHz LenelProx - Custom format

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LP-GR-CSTM	Graphics Quality both sides, ISO compliant credential with laser etched card number, Custom format (min order qty 100).
LP-GRMAG-CSTM	Graphics Quality ISO with 3 track High-Co ABA Magnetic Stripe Graphics Quality both sides, ISO compliant credential with laser etched card number, Custom format, with 3 track High-Co ABA Magnetic Stripe (min order qty 100).
LP-CS-CSTM	'Clam Shell" style Prox Badge, with laser etched card number, Custom format, Pre-punched in Portrait Orientation (min order qty 100).
LP-KT-CSTM	Proximity Key Tag with laser etched card number, Custom format, (Key Fob) (min order qty 50).
LP-PW-CSTM	Proximity Wafer, 1 inch diameter, adhesive backing, with laser etched card number, Custom format, (min order qty 50).

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### Cards - 13.56 MHz MIFARE Cards

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LP-GR-1KM	1K MIFARE Cards with a 125 Proximity insert, graphic quality on both sides, ISO Compliant (minimum order qty 250) 10 week lead time. 7 btye Mifare CSN.
LP-GR-4KM	MIFARE Cards with a 125 Proximity insert, graphic quality on both sides, ISO Compliant (minimum order qty 250) 10 week lead time 7 Byte Mifare CSN.

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## Onity Integra Locks

Onity offers Integra offline locks that integrate with OnGuard 2009 and later. The locks are configured through OnGuard and downloaded using the XPP programmer. All lock plans, cardholder records, access levels and time zones are transmitted with the programmer and linked with the OnGuard Communication Server. A full audit of transactions and events are transferred from the lock and displayed in OnGuard Alarm Monitoring. This integration allows the customer to provide security to interior doors at a fraction of the cost for a traditional wired door. The lock comes with the license to integrate with OnGuard.

**NOTE:**

System ID Required Unless Purchasing New System.

### OnGuard Onity Software Option

**SWG-1411** Onity lock integration license - License is needed for every lock that is integrated with OnGuard. Locks with a KTDL includes the license with the lock price.

### Integra Locks

- ONT-KTDL-C-K-12-626** Onity Integra cylindrical lock, magnetic stripe with keypad, 626 (satin chrome finish), includes SWG-1411.

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- ONT-KTDL-M-LK-626-L** Onity Integra left hand mortise lock, magnetic stripe with keypad, 626 (satin chrome finish), includes SWG-1411.

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- ONT-KTDL-M-LK-626-R** Onity Integra right hand mortise lock, magnetic stripe with keypad, 626 (satin chrome finish), includes SWG-1411.

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- ONT-KTDL-M-D-626-L** Onity Integra left hand mortise with deadbolt lock, magnetic stripe, 626 (satin chrome finish), includes SWG-1411.

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- ONT-KTDL-M-D-626-R** Onity Integra right hand mortise with deadbolt lock, magnetic stripe, 626 (satin chrome finish), includes SWG-1411.

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- ONT-KTDL-M-DK-626-L** Onity Integra left hand mortise with deadbolt lock, magnetic stripe with keypad, 626 (satin chrome finish), includes SWG-1411.

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- ONT-KTDL-M-DK-626-R** Onity Integra right hand mortise with deadbolt lock, magnetic stripe with keypad, 626 (satin chrome finish), includes SWG-1411.

### Programmer

**ONT-KTF-XPPM** Onity Portable Programmer for Integra Locks with memory module and 12V transformer (Serial Port required on Computer).

### Integra Custom Order

**ONT-KTD-CUSTOM** Custom finish, strike plates, or lock handles (Call for Quote).

## HID Mifare Credentials

### HID NON-programmed MIFARE Cards [Min Order QTY of 100]

1430-NGGNN	HID FlexSmart® MIFARE Contactless Smart Card - Utilizes MIFARE 13.56 MHz Internal Smart Chip, Standard S50, 1 KByte Memory with 16 Sectors - this card is unprogrammed, plain white front, plain white back, no slot punch. [Min Order QTY of 100].
1440-NGGNN	HID FlexSmart® MIFARE Contactless Smart Card - Utilizes MIFARE 13.56 MHz Internal Smart Chip, Standard S50, 4KByte Memory with 40 Sectors - this card is unprogrammed, plain white front, plain white back, no slot punch. [Min Order QTY of 100].

### HID Programmed MIFARE Cards [Min Order QTY of 100] Additional Information Form Required

1430-MGGMN	HID FlexSmart® MIFARE Contactless Smart Card - Utilizes MIFARE 13.56 MHz Internal Smart Chip, Standard S50, 1 K Memory with 16 Sectors - this card is programmed (must specify programming information at the time of order), plain white front, plain white back, sequential matching internal/external number and no slot punch. [Min Order QTY of 100].
1431-BGGMNN	HID FlexSmart® Proximity & MIFARE Contactless Smart Card - Utilizes MIFARE 13.56 MHz Internal Smart Chip, Standard S50, 1 K Memory with 16 Sectors, and 125kHz 'Prox by HID" - this card is programmed (must specify programming information at the time of order), plain white front, plain white back, sequential matching internal/external number and no slot punch. [Min Order QTY of 100].
1431-BG1MNN	HID FlexSmart® Proximity & MIFARE Contactless Smart Card w/mag - Utilizes MIFARE 13.56 MHz Internal Smart Chip, Standard S50, 1 K Memory with 16 Sectors, and 125kHz 'Prox by HID"- this card is programmed (must specify programming information at the time of order), plain white front, plain white back with magnetic stripe, sequential matching internal/external number and no slot punch. [Min Order QTY of 100].

## HID Products Proximity Readers & Cards

All HID cards and readers listed are 26-bit Wiegand format. If any other card format is required (i.e. Lenel's custom Format, HID Corporate 1000 (Note: Call Factory for pricing and add -CF to all cards ordered for Lenel's Custom Format or -C1000 for HID corporate 1000 format). Special ordered products take a minimum of 4 to 6 weeks additional lead-time. All HID readers require a Reader Interface Module (LNL-1320 or LNL-1300) for LNL-1000 communications.

**NOTE:**  
System ID Required Unless Purchasing New System.

Additional Information Form Required.

### Proximity Card Readers

Designer series styles and colors are optional for 6005, 5365, 5395 readers only. To order the designer series change the six digit of the reader part number to one of the following choices (1=Designer Black, 2=Designer Gray, 4=Designer Wave Blue or 5 = Designer White). 2 to 4 week lead times may occur.

6005BGB00	ProxPoint, Gray, w/Pigtail Leads, beeper and LED (4.75-16VDC)6005BBB00
6005BBB00	ProxPoint, Beige, w/Pigtail Leads, beeper and LED (4.75-16VDC)
5365EGP00	MiniProx, Gray w/ Pigtail Leads (5-16 VDC)
5365EBP00	MiniProx, Beige w/ Pigtail Leads (5-16 VDC)
5365-EGH00	Hazardous Location MiniProx Reader, 5-16 VDC, terminal strip

5395CB100	ThinLine II Switch Plate Reader (5-16 VDC) Beige
5395CG100	ThinLine II Switch Plate Reader (5-16 VDC) Gray
5395CW100	ThinLine II Switch Plate Reader (5-16 VDC) White
5395CK100	ThinLine II Switch Plate Reader (5-16 VDC) Black
5455BGN00	ProxPro II, Gray, (5-16 VDC)
5455BBN00	ProxPro II, Beige, (5-16 VDC)
5355-AGK09	ProxPro, Gray, w/ Keypad, (12 VDC)
5355-ABK09	ProxPro, Beige w/ Keypad, (12 VDC)
5375AGN00	MaxiProx, Gray, (24 VDC)

## HID Dorado Readers Replacements

6236CKN000509	iCLASS RMPK40 Combination Tech Reader; Wiegand Magnetic stripe; HID and AWID Prox; iCLASS US/EU APAC Back Box Mount; Wall switch form factor Read Only; Black; with Pigtail;Mag Stripe - ABA Card all ABA Digits; 8 bit message keypad.
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## HID Proximity & Smart Cards - Additional Information Form Required

### HID Proximity/Wiegand Card Technology [Min Order QTY of 100]

1326-LSSMV	ProxCard II Proximity Access Card - standard card includes, 26-bit format, HID ProxCard II artwork with matte finish, printed sequential number with gaps and vertical slot punch. [Min Order QTY of 100].
1326-LASMV	ProxCard II Proximity Access Card - includes 26-bit Wiegand format, adhesive front, back has molded HID logo, printed sequential matching (internal/external) number and vertical slot punch capability. [Min Order QTY of 100].
1336-LGSMN	DuoProx Card Prox with Mag Stripe - standard card includes, 26 bit format, plain white glossy finish for direct card printing on front, with HID ISO Prox artwork, matte finish on back with laser sequential numbering with no gaps and 1/2 inch Hi-Co magstripe [Min Order QTY of 100].
1336-LGGMN	DuoProx Card Prox with Mag Stripe Graphics Quality Both Sides - standard card includes, 26 bit format, plain white glossy finish for direct card printing on front and back, with printed sequential numbering with no gaps and 1/2 inch Hi-Co magstripe [Min Order QTY of 100].
1346-LNSMN	ProxKey III Proximity Access Keyfob - keyfob includes; 26 bit format, Black with Grey Insert and HID standard logo on the front; standard back packaging; inkjetted sequential matching internal/external keyfob numbering (Minimum order 100).
1386-LGSMN	ISO Prox II Graphics Quality- standard card includes, 26 bit format, plain white glossy finish for direct card printing on front, with HID ISO Prox artwork with matte finish on back, printed ID number and No gaps in card sequence [Min Order QTY of 100].

1386LGGMN	ISO Prox II Graphics Quality Both Sides - standard card includes, 26 bit format, plain white glossy finish for direct card printing on front and back, printed ID number and No gaps in card sequence [Min Order QTY of 100].
1324GBN22	Direct Image PVC Labels with peel off adhesive back for use with Prox Card II (0.020 thick card) no slot punch. Will not work with all direct card printers, check printer specifications. [Min Order QTY of 100].
1324GGN31	Direct Image, PVC Labels for use with Prox Card II with peel off self adhesive front part number 1326-LASMV (0.025 thick cards) no slot punch. Will not work with all direct card printers, check printer specifications. [Min Order QTY of 100].
1351-LBSMN	Prox Pass Long Range Proximity Tag for Vehicle Access Control (6' to 8') read range with MaxiProx readers. [Min Order QTY of 50].
1391-LSSMN	Microprox Tag - for assets retrofit applications - standard tag includes 125kHz programming, HID standard artwork on front, adhesive back, sequential matching numbering internal/external. [Min Order QTY of 100].

### NEW Corp 1000 Requests [must be accompanied by the Corp 1000 Request document]

C1000	Corporate 1000 Card Formats – Require end user information, card format number, facility code and starting card number at the time of order.
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### Existing Corp 1000 Formats [must be order in same QTY as cards requested]

MC-1000-H5xxxx	Corp 1000 indicator specifying the Corp 1000 format number [H5xxxx]
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## HID Products Mobile Access

Mobile access is the use of a mobile device, such as a smartphone, tablet or wearable, to gain access to secured doors, gates, networks, services and more. HID Mobile Access® solutions allow organisations to meet the growing demands of a mobile-first world. Additional Information Form may be required.

**NOTE:**

System ID Required Unless Purchasing New System.

### Mobile READY Readers - iClass SE

900NMNTEKMA001-L01	Model R10 Reader, ICLASS SE E, 13.56 MHZ Only, STD/SIO/SEOS/MA, Wiegand Output, Terminal Block, Reader is Black in color, Standard LED setup , idle LED Red, Flash Green on Valid, Buzzer On, Optical Tamper, Mobile Ready, LENEL Logo.
910NMNTEKMA001-L01	Model R15 Reader, ICLASS SE E, 13.56 MHZ Only, STD/SIO/SEOS/MA, Wiegand Output, Terminal Block, Reader is Black in color, Standard LED setup , idle LED Red, Flash Green on Valid, Buzzer On, Optical Tamper, Mobile Ready, LENEL Logo.
920NMNTEKMA001-L01	Model R40 Reader, ICLASS SE E, 13.56 MHZ Only, STD/SIO/SEOS/MA, Wiegand Output, Terminal Block, Reader is Black in color, Standard LED setup , idle LED Red, Flash Green on Valid, Buzzer On, Optical Tamper, Mobile Ready, LENEL Logo.
921NMNTEKMA002-L01	Model RK40 Reader with Keypad, ICLASS SE E, 13.56 MHZ Only, STD/SIO/SEOS/MA, Wiegand Output, Terminal Block, Reader is Black in color, Standard LED setup , idle LED Red, Flash Green on Valid, Buzzer On, Optical Tamper, Mobile Ready, LENEL Logo, KPF, ASCII, BFFRD 1 KEY.

### Mobile READY Readers - multiClass SE

900PMNTEKMA003-L01	Model RP10 Reader, MULTICLASS SE E, 125 kHz HID Proximity and 13.56 MHZ Only, STD/SIO/SEOS/MA, Wiegand Output, Terminal Block, Reader is Black in color, Standard LED setup , idle LED Red, Flash Green on Valid, Buzzer On, Optical Tamper, Mobile Ready, LENEL Logo.
910PMNTEKMA003-L01	Model RP15 Reader, MULTICLASS SE E, 125 kHz HID Proximity and 13.56 MHZ Only, STD/SIO/SEOS/MA, Wiegand Output, Terminal Block, Reader is Black in color, Standard LED setup , idle LED Red, Flash Green on Valid, Buzzer On, Optical Tamper, Mobile Ready, LENEL Logo.
920PMNTEKMA003-L01	Model RP40 Reader, MULTICLASS SE E, 125 kHz HID Proximity and 13.56 MHZ Only, STD/SIO/SEOS/MA, Wiegand Output, Terminal Block, Reader is Black in color, Standard LED setup , idle LED Red, Flash Green on Valid, Buzzer On, Optical Tamper, Mobile Ready, LENEL Logo.
921PMNTEKMA004-L01	921PMNTEKMA004-L01 Model RPK40 Reader with Keypad, MULTICLASS SE E, 125 kHz HID Proximity and 13.56 MHZ Only, STD/SIO/SEOS/MA, Wiegand Output, Terminal Block, Reader is Black in color, Standard LED setup , idle LED Red, Flash Green on Valid, Buzzer On, Optical Tamper, Mobile Ready, LENEL Logo, KPF, ASCII, BFFRD 1 KEY.

Following is a generic HID Mobile ID part number. Customer will need to submit request form for organisation specific account to be created prior to time of ordering. A unique part number will then be created for the Organisation. To Access HID Web Portal, follow this link:

<https://managedservices.hidglobal.com/faces/maUserOnBoardingStart>

CRD633ZZ-xxxxxx	HID Mobile ID. Mobile IDs are virtual credentials electronically delivered to the Organisations Mobile Access Portal account. CRD633ZZ-xxxxx, Custom Mobile ID, xxxxx specific to organisation and issued at time of part number creation.
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## HID iCLASS Products

All HID iCLASS reader products come standard as HID format and can be customized for Lenel formats, or Corporate 1000 format, while using OnGuard with Read/Write reader or printer. All iCLASS cards come unprogrammed unless a custom format sheet is provided for a quotation or with the order. iCLASS smart cards and readers make access control more powerful, more versatile, and most important of all, offers enhanced security through encryption and mutual authentication. At the same time, iCLASS is user-friendly, delivering the convenience, affordability and reliability of proximity technology for which HID is known worldwide.

**NOTE:**

Additional Information Form Required. System ID Required Unless Purchasing New System.

ALL ICLASS READERS are available in Black

**PLEASE NOTE ADDITIONAL OPTIONS CONTINUE TO BE AVAILABLE**

### iCLASS SE Readers [other options available as well]

Designer series styles and colors are optional for 6005, 5365, 5395 readers only. To order the designer series change the six digit of the reader part number to one of the following choices (1=Designer Black, 2=Designer Gray, 4=Designer Wave Blue or 5 = Designer White). 2 to 4 week lead times may occur.

900NTNNEK00000-L001	iCLASS SE R10 reader; Black; Pigtail; wiegand output; consists of Legacy iCLASS - SIO -SEOS; Mini-Million mount size; LED Red - Flash Green - Buzzer On; CSN 32 bit; with Lenel logo [artwork code L110317] [direct replacement for 6100CKN0000L].
910NTNNEK00000-L001	iCLASS SE R15 reader; Black; Pigtail; wiegand output; consists of Legacy iCLASS - SIO -SEOS; Mullion mount size; LED Red - Flash Green - Buzzer On; CSN 32 bit; with Lenel logo [artwork code L110317][direct replacement for 6140CKN000L].
920NTNNEK00000-L001	iCLASS SE R40 reader; Black; Pigtail; wiegand output; consists of Legacy iCLASS - SIO - SEOS; US/ EU/Asian back box size; LED Red - Flash Green - Buzzer On; CSN 32 bit; with Lenel logo [artwork code L110317][direct replacement for 6120CKN0000L].
921NTNNEK0002KL001	iCLASS SE RK40 reader; Black; Pigtail; wiegand output; consists of Legacy iCLASS - SIO - SEOS; US/EU/Asian back box size; LED Red - Flash Green - Buzzer On; CSN 32 bit; 8-bit msg keypad; with Lenel logo [artwork code L110317][direct replacement for 6130CKN000009L].

### MultiCLASS SE Readers [other options available as well]

Indala Prox available by changing the P to an L and supplying the Indala format code with order

910PTNNEK00000-L001	MultiCLASS SE RP15 reader; Black; Pigtail; wiegand output; consists of Legacy iCLASS -SIO -SEOS and HID Prox capabilities; Mullion mount size; LED Red - Flash Green - Buzzer On; CSN 32 bit; with Lenel logo [artwork code L110317][direct replacement for 6145CKN0000L].
920PTNNEK00000-L001	MultiCLASS SE RP40 reader; Black; Pigtail; wiegand output; consists of Legacy iCLASS -SIO -SEOS and HID Prox capabilities; US/EU/Asian back box size; LED Red - Flash Green -Buzzer On; CSN 32 bit; with Lenel logo [artwork code L110317][direct replacement for 6125CKN0000L].
921PTNNEK0001VL001	MultiCLASS SE RPK40 reader; Black; Pigtail; wiegand output; consists of Legacy iCLASS -SIO -SEOS and HID Prox capabilities; US/EU/Asian back box size; LED Red - Flash Green -Buzzer On; CSN 32 bit; 8-bit msg keypad; with Lenel logo [artwork code L110317][direct replacement for 6136CKN000009L].

### iCLASS OSDP (Open supervised Device Protocol) Readers

900NTPTEK0033V	iCLASS SE R10 reader; Black; Terminal; OSDP; consists of Legacy iCLASS - SIO - SEOS; Mullion mount size; LED Red - Flash Green - Buzzer On; 485 Full Duplex; Open Collector and Optical Tamper; with HID standard logo.
910NTPTEK0033V	iCLASS SE R15 Reader; Black; Terminal; OSDP; consists of Legacy iCLASS - SIO -SEOS; Mullion mount size; LED Red - Flash Green - Buzzer On; RS485 Half Duplex; Open Collector and OSDP Tamper Enabled; with HID standard logo.
920NTPTEK0033V	iCLASS SE 40 Reader; Black; Terminal; OSDP; consists of Legacy iCLASS - SIO - SEOS; US/EU/Asian back box size; LED Red - Flash Green - Buzzer On; RS485 Half Duplex; Open Collector and OSDP Tamper Enabled; with HID standard logo.
921NTPTEK0033Y	iCLASS SE RK40 Reader; Black; Terminal; OSDP; consists of Legacy iCLASS - SIO - SEOS; US/EU/Asian back box size; LED Red - Flash Green - Buzzer On; RS485 Half Duplex; Open Collector and OSDP Tamper Enabled; 8-bit msg keypad; with HID standard logo.

### MultiCLASS OSDP (Open supervised Device Protocol) Readers

900NTPTEK0033V	MultiCLASS SE RP10 reader; Black; Terminal; OSDP; consists of Legacy iCLASS - SIO -SEOS and HID Prox capabilities; Mullion mount size; LED Red - Flash Green - Buzzer On; 485 Full Duplex; Open Collector and Optical Tamper; with HID standard logo.
910NTPTEK0033V	MultiCLASS SE RP15 Reader; Black; Terminal; OSDP; consists of Legacy iCLASS - SIO - SEOS HID Prox capabilities; Mullion mount size; LED Red - Flash Green - Buzzer On; RS485 Half Duplex; Open Collector and OSDP Tamper Enabled; with HID standard logo.
920NTPTEK0033V	MultiCLASS SE RP40 Reader; Black; Terminal; OSDP; consists of Legacy iCLASS - SIO -SEOS HID Prox capabilities; US/EU/Asian back box size; LED Red - Flash Green - Buzzer On; RS485 Half Duplex; Open Collector and OSDP Tamper Enabled; with HID standard logo.
921NTPTEK0033Y	MultiCLASS SE RPK40 Reader; Black; Terminal; OSDP; consists of Legacy iCLASS - SIO - SEOS HID Prox capabilities; US/EU/Asian back box size; LED Red - Flash Green - Buzzer On; RS485 Half Duplex; Open Collector and OSDP Tamper Enabled; 8-bit msg keypad; with HID standard logo.

## DESfire EV1 Readers

900PWNTEK00324	RDR, RP10, MULTICLASS, SE, LF STD, HF STD/SIO/SEOS/MIGR, WIEG, TERM, HF MIGR PFL EVP00000, IPM OFF
910PWNTEK00324	RDR, RP15, MULTICLASS, SE E, LF STD, HF STD/SIO/SEOS/MIGR, WIEG, TERM, BLK, HF MIGR PFL EVP00000, IPM OFF
920PWNTEK00324	RDR, RP40, MULTICLASS, SE E, LF STD, HF STD/SIO/SEOS/MIGR, WIEG, TERM, BLK, HF MIGR PFL EVP00000, IPM OFF
921PWNTEK00324	RDR, RPK40, MULTICLASS, SE E, LF STD, HF STD/SIO/SEOS/MIGR, WIEG, TERM, BLK, HF MIGR PFL EVP00000, IPM OFF

## SEOS and SEOS MultiTech Cards (Minimum order quantity: 100)

### Additional Information Form Required

5006PGGMN	COMPOSITE ICLASS SEOS CONTACTLESS SMART CARD 8 KB MEMORY, PROG., FGLOSS, B-GLOSS, MATCH. ICLASS #, NO SLOT, LAM (NOTE SEOS PROGRAMMED).
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## iCLASS Cards (Minimum order quantity: 100)

### -Additional Information Form Required

2000NGGNN	iCLASS Contactless Smart Card, 2K bits with 2 application areas, 13.56 MHz, direct printable, ISO standard dimensions, non-programmed, no external card numbering. iCLASS must be encoded by OnGuard before card can be used (minimum order qty. 100).
2001NGGNN	iCLASS Contactless Smart Card, 16K bits that can be configured by OnGuard for either 2 or 16 application areas, 13.56 MHz, direct printable, ISO standard dimensions, nonprogrammed, no external card numbering. Direct replacement for 2002NGGNN. (minimum order qty. 100)
2080PGSNV	iCLASS Clamshell Contactless Smart Card, 2k bit with 2 application areas, configured, programmed, Gloss plain white PVC front, Std HID Logo base, No external Numbering, Vertical Slot punch. (minimum order qty. 100).
2002PGGNN	iCLASS Contactless Smart Card, 16K bits with 16 application areas, 13.56 MHz, direct printable, ISO standard dimensions, programmed, no external card numbering. (minimum order qty. 100).
2000NG1NN	iCLASS Contactless Smart Card, 2K bits with 2 application areas, 13.56 MHz, direct printable, ISO standard dimensions, with Magnetic stripe, non-programmed, no external card numbering. (minimum order qty. 100).
2001NG1NN	iCLASS Contactless Smart Card, 16K bits that can be configured by OnGuard for either 2 or 16 application areas, 13.56 MHz, direct printable, ISO standard dimensions, with Magnetic stripe, non-programmed, no external card numbering. (minimum order qty. 100).

### iCLASS Composite Cards with Mag Stripe (Minimum order quantity: 100) Additional Information Form Required

2101NG1NN	Composite iCLASS Contactless Smart Card, 16K bits that can be configured by OnGuard for either 2 or 16 application areas, 13.56 MHz, direct printable, ISO standard dimensions, with Magnetic stripe, non-programmed, no external card numbering.(minimum order qty. 00).
2120AG1NNM	Composite iCLASS Contactless Smart Card, 2K bits with 2 application areas, 13.56 MHz & HID Proximity 125kHz , direct printable, ISO standard dimensions, with magnetic stripe, nonprogrammed iCLASS, programmed proximity with external card numbering matching HID proximity.(minimum order qty. 100).
2121AG1NNM	Composite iCLASS Contactless Smart Card, 16K bits that can be configured by OnGuard for either 2 or 16 application areas, 13.56 MHz & HID Proximity 125kHz , direct printable, ISO standard dimensions, with magnetic stripe, non-programmed iCLASS, programmed proximity with external card numbering matching HiD proximity. (minimum order qty. 100).
2020AG1NNM	iCLASS Contactless Smart Card, 2K bits with 2 application areas, 13.56 MHz & HID Proximity 125kHz , direct printable, ISO standard dimensions, with magnetic stripe, nonprogrammed iCLASS, programmed proximity with external card numbering matching HID proximity. (minimum order qty. 100).

### iCLASS Composite Cards (Minimum order quantity: 100) Additional Information Form Required

2101NGGNN	Composite iCLASS Contactless Smart Card, 16K bits that can be configured by OnGuard for either 2 or 16 application areas, 13.56 MHz, direct printable, ISO standard dimensions, non-programmed, no external card numbering. Direct replacement for 2002NGGNN. (minimum order qty. 100).
2102PGGNN	Composite iCLASS Contactless Smart Card, 16K bits with 16 application areas, 13.56 MHz, direct printable, ISO standard dimensions, programmed, no external card numbering. (minimum order qty. 100).
2120AGGNNM	Composite iCLASS Contactless Smart Card, 2K bits with 2 application areas, 13.56 MHz & HID Proximity 125kHz , direct printable, ISO standard dimensions, non-programmed iCLASS, programmed proximity with external card numbering matching HID proximity.(minimum order qty. 100).
2121AGGNNM	Composite iCLASS Contactless Smart Card, 16K bits with 2 application areas, 13.56 MHz & HID Proximity 125kHz , direct printable, ISO standard dimensions, non-programmed iCLASS, programmed proximity with external card numbering.(minimum order qty. 100).
2020AGGNNM	iCLASS Contactless Smart Card, 2K bits with 2 application areas, 13.56 MHz & HID Proximity 125kHz , direct printable, ISO standard dimensions, non-programmed iCLASS, programmed proximity with external card numbering matching HID proximity. (minimum order qty. 100).
2021AGGNNM	iCLASS Contactless Smart Card, 16K bits with 2 application areas, 13.56 MHz & HID Proximity 125kHz , direct printable, ISO standard dimensions, non-programmed iCLASS, programmed proximity with external card numbering matching HID proximity. (minimum order qty. 100).
2022AGGNNM	iCLASS Contactless Smart Card, 16K bits with 16 application areas, 13.56 MHz & HID Proximity 125kHz , direct printable, ISO standard dimensions, non-programmed iCLASS, programmed proximity with external card numbering matching HID proximity. (minimum order qty. 100).

### iCLASS Key and Tags (Minimum order quantity: 100) Additional Information Form Required

2050NNNNN	iCLASS Contactless Smart Hexagonal Key Ring Tag, 2K bits with 2 application areas, 13.56 MHz, direct printable, ISO standard dimensions, non-programmed, no external card numbering. (minimum order qty. 100).
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## Schlage AD-400 Wireless Products

AD-Series electronic locks from Schlage are designed to be modular and provide more options to choose from, more functionality in the lock and more compatibility with existing systems. Its patent-pending modular design allows the lock to be customized to fit the needs of an application now, and can change to meet future needs without removing it from the door.

**NOTE:**  
System ID Required Unless Purchasing New System

### Lock License Bit

SWG-1800-PL	Partner Access Device License for electronic locks PURCHASED through Lenel and attached to an OnGuard system [REQUIRED license for all Third Party Locks] No Charge.
SWG-1800-N-PL	Partner Access Device License for electronic locks NOT PURCHASED through Lenel and attached to an OnGuard system [REQUIRED license for all Third Party Locks].

### PIM - Panel Interface Module

PIM400-1501-KIT	PIM400-1501-KIT; 16 wireless lock controller; consists of PIM400-485 & LNL-2210 in the same enclosure; RJ-45 and USB port on outside of controller; powered by POE. NOTE: LNL-2210 is provided separately and needs to be installed and connected inside the enclosure.
PIM400-485	PIM400-485; 16 wireless lock hub; RS-485 connection; includes weatherproof enclosure, internal antenna with ability to add remote antenna; requires 12 or 24 VDC power supply. (7.1" x 7.1" enclosure)[starting with OnGuard 6.6 SP1 this connects via RS-485 to downstream port on ISC].
PIM400-TD2	Wiegand (data1/data0) or magnetic stripe (clock & data) output; includes weatherproof enclosure, internal antenna with ability to add remote antenna; requires 12 or 24 VDC power supply. Dry Contact board not included. (7.1" x 7.1" enclosure) [must be connected to weigand reader ports].
RLBD	Optional Dry contact board available for PIM400-TD2 to simplify installation with Access Control Panels that require relays. Configurable for Normally Open/Closed.
593PI-12DC	12 VDC Power Supply (plug-in transformer), may be used to power all PIMs.

### Handheld Configurator

HHD-KIT-USB	Handheld Device pre-loaded with SUS
PIMWA-CV	PICConverter used to connect HHD to WA Series PIM, using the HH-Serial Cable

### Wireless Portable Reader [comes with battery pack]

WPR400-DT	Wireless Portable Signal Tester; batter-operated; with dummer trim reader cover
WPR400-KP	Keypad Only Reader; battery-operated handheld unit
WPR400-MG	Magnetic Stripe Reader [insert]; battery-operated handheld unit
WPR400-MGK	Magnetic Stripe Reader [insert] and Keypad; battery-operated handheld unit
WPR400-MT	Multi-Technology Reader; battery-operated handheld unit
WPR400-MTK	Multi-Technology Reader with keypad; battery-operated handheld unit
WPR401-FMK	Multi-Technology Reader with Keypad; battery-operated handheld unit

### Wireless Portable Reader Battery Packs [meant for use with WPR40x-xx above]

K380-001	Single Battery; WA/AD Series Battery Pack used to power WA5200, WA5600, WA993, WPR2, WSM, and WPR400
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### Wireless Reader Interface

SCH-WRI400	Wireless Reader Interface - Indoor or Outdoor - compatible with Wiegand or mag stripe interface readers - inputs for 2 paralld readers; requires 12 VDC power supply
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### Wireless Control Kits

ECK400	Elevator Control Kit; includes WRI400 - PIM400-TD2 - ANT400-REM-I/O and 12 VDC power Supply.
GCK400	Gate Control Kit; includes WRI400 - PIM400-TD2 - ANT400-REM-I/O - MGM+MCA5 and 12 VDC power Supply.

### Antenna Grounding Kits

MGB-MCA5	Grounding Kit for ANT-REM-I/O+6DB ONLY
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### Remote Antennas

ANT400-REM-I/O	Omni-Directional Remote Indoor/Outdoor Antenna Module. Includes Antenna, 15' Coax, Coax Whip, Articulated Wall/Post Mounting Hardware. For indoor use with PIM400 and/or WRI400. Requires MGB+MCA5 Antenna Grounding Kit for outdoor applications.
ANT400-REM-I/O+6DB	Directional Remote Indoor/Outdoor Antenna Module with 6dB Gain. Includes Antenna, 15' Coax, Coax Whip, Articulated Wall/Post Mounting Hardware. For indoor use with PIM400 and/or WRI400. Requires MGB+MCA5 Antenna Grounding Kit for outdoor applications.
ANT400-REM-Ceiling	Omni-Directional Remote Indoor/Outdoor Antenna Module. Includes Antenna, 15' Coax, Coax Whip. For indoor use with PIM400 and/ or WRI400.
ANT400-REM-HALL	Bi-Directional Remote Indoor Antenna Module. Includes Antenna, 15' Coax, Coax Whip. For indoor use with PIM400 and/or WRI400.

All Schlage AD400 lock part numbers are available. To build your configuration, please use the Schlage online tool: <https://elock.allegion.com/Projects/Index> After you have your lock configuration, please contact [Insidesales@lenel.com](mailto:Insidesales@lenel.com)

### Replacement Reader Modules for AD locks

KP	Keypad Only Reader Module.
MG	Magnetic Stripe Reader Module (Track 1, 2, or 3).
MGK	Magnetic Stripe Reader Plus Keypad Module (Track 1, 2, or 3).
MT	125 kHz Proximity and 13.56 MHz Smart Card Reader Module.
MTK	125 kHz Proximity and 13.56 MHz Smart Card Reader Plus Keypad Module.

### Communication Module Kits

**NOTE:**

You must specify finish at time of order. Wireless upgrade kits for AD series locks.

COM400L	Wireless AD-400 Communication Kit. AD400 900Mhz Wireless Comm Board plus Cover for Classroom/Storeroom Function, w/ LED Lens on CY & MS Chassis. All Functions on MD Chassis.
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### AD Series Accessories

23458599	Exterior Shim Plate
23458565	Interior Shim Plate - AD-401

### Aperio 1:8 Hub

AA-AP-AH30RN1	Aperio 1 to 8 Wireless lock hub using Authentic Mercury; RS-485 connection to ISC; capable of handling up to 8 wireless locks per hub.
AA-AP-APA-10-PC	ASSA ABLOY Aperio Programming Kit; includes USB Radio Dongle for programming; includes test card and memory stick [QTY of 1 each].

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## Schlage ENGAGE Wireless Products

The ENGAGE-Series electronic locks from Schlage include NDE and LE wireless locks, that are designed to All Schlage ENGAGE Series NDE and LE lock part numbers are available.

To build your configuration, please use the Schlage online tool:

<https://elock.allegion.com/Projects/Index>

After you have your lock configuration, please [contact Insidesales@lenel.com](mailto:insidesales@lenel.com)

### Lock License Bit

<a href="#">SWG-1800-PL</a>	Partner Access Device License for electronic locks PURCHASED through Lenel and attached to an OnGuard system [REQUIRED license for all Third Party Locks].
<a href="#">SWG-1800-N-PL</a>	Partner Access Device License for electronic locks NOT PURCHASED through Lenel and attached to an OnGuard system [REQUIRED license for all Third Party Locks].

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### ENGAGE Gateway

<a href="#">SCH-GWE</a>	SCHLAGE ENGAGE Gateway with RS-485, 12/24 VDC Input or PoE. Can be mixed on same bus a PIM400. Clear line of sight range to lock approximately 30.5m (100 ft). Environment and building construction materials will cause range variations. Single Gateway can support up to ten (10) NDE or LE wireless locks (if they are located within range).
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## Schlage Scramble Keypads

The Schlage scramble keypad provides the highest security for PIN entry by combining a randomly generated key sequence with a very narrow viewing angle. The result is that an observer cannot see what numbers are being pressed because of the restricted viewing angle, and cannot infer the key values from the position, since the position is randomized between each user. The scramble keypad provides a Wiegand output that can be paired with any badge reader with D0/D1 outputs, or can be used on its own for PIN-only applications. It can also be used to select templates by PIN with biometric devices supported by OnGuard.

### NOTE:

System ID Required Unless Purchasing New System.

### Scramble Keypads

#### SERIII-W

Scramble Keypad (Gray); The keypad is designed to prevent onlookers from detecting the code being entered. Each key is lighted by an LED with a different set of numbers every time the keypad is used. Weatherized for outdoor applications with a Wiegand output. This unit may be powered from the SRCNX Reader Controller boards via a reader interface. Power requirements: 8-14 VDC. Standard color is gray.

#### SERIII-WB

Scramble Keypad (Black); The keypad is designed to prevent onlookers from detecting the code being entered. Each key is lighted by an LED with a different set of numbers every time the keypad is used. Weatherized for outdoor applications with a Wiegand output. This unit may be powered from the SRCNX Reader Controller boards via a reader interface. Power requirements: 8-14 VDC. Color is Black.

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### Scramble Keypad Surface Mount Kit

#### SMK-2

Scramble Keypad Surface Mount Kit (Gray); Surface Mount Kit and tamper proof screws. Standard color is gray.

#### SMK-2B

Scramble Keypad Surface Mount Kit (Black); Surface Mount Kit and tamper proof screws. Color is black.

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### Scramble Keypads

#### SPMK-2

Panel Mount Kit w/ Steel Back Box (Gray); Steel back box with tamper proof screws.

#### SPMK-2B

Panel Mount Kit w/ Steel Back Box (Black); Steel back box with tamper proof screws.

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## Schlage Recognition Systems Hand Geometry Readers

OnGuard offers a fully integrated template management hand geometry offering with Recognition Systems Inc. This option is only supported with the LNL-X2220 and LNL-1320-S3. The total number of enrollment readers and access readers are only limited by total system capacities.

### OnGuard RSI Software Option

**SWG-1400** OnGuard RSI Hand Geometry Interface Global Software Option for OnGuard - for ID3D, Handkey CR and Handkey II Readers (LNL-500B required but has limited stock available).

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### Scramble Keypad Surface Mount Kit

**HK-CR** HandKey F-Series with memory for 512 users (HK-2-F3) - this reader requires an LNL- 500B gateway. The total number of cardholder templates is controlled by the amount of memory on the LNL-2220 controller. [DOES NOT INCLUDE POWER SUPPLY].

**HK-CR-PROX** Schlage HK-CR Reader with externally top mounted HID ProxPoint Prox Reader; 26 bit Wiegand output format standard; pre-mounted from factory. [DOES NOT INCLUDE POWER SUPPLY].

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### Enrollment Components [requires HK-CR + each component listed below & Power Supply]

**DS-200** Acrylic demo stand for F-Series readers.

**S-CB-232-F3** RS-232 Cable to connect HK-CR to PC.

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### Power Supplies

**PS-110** Power supply for HK-CR and HK-2. 120VAC to 13.5 VDC with connector for HK-CR ONLY.

**PS-220** Power supply for HK-CR and HK-2. 220VAC to 13.5 VDC with connector for HK-CR ONLY.

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### Expansion Options

**EM-801-F3** Memory Expansion - 9728 Users for original HK-CR, HK-2.

**EN-200** Ethernet Communication Module for HK-2, HK-CR.

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### HK-CR Reader Options

If you plan to encode the biometric template on the badge, you will need to select one of these two options. Any options below need to be ordered with HK-CR as they are pre-mounted from the factory.

## Assa Abloy Aperio Wireless Readers

ASSA ABLOY Aperio Wireless Readers are available in a variety of locking solutions. Aperio is a global wireless platform that allows you to increase security - quickly, easily and affordably. It uses local wireless communication between an Aperio lock and hub to connect to an access control system, eliminating the greatest cost and inconvenience of traditional access control - the wiring at the door. Aperio has an AES 128-bit encryption, utilizes IEEE 802.15.4 wireless communication, offers real-time communication with the access control system and supports HID PROX and HID iCLASS based credentials.

### NOTE:

System ID Required Unless Purchasing New System.

### Lock License Bit

HK-CR	Partner Access Device License for electronic locks PURCHASED through Lenel and attached to an OnGuard system [REQUIRED license for all Third Party Locks].
HK-CR-PROX	Partner Access Device License for electronic locks NOT PURCHASED through Lenel and attached to an OnGuard system [REQUIRED license for all Third Party Locks]

OnGuard 6.6 SP1 offers a new integration with stronger support of the Aperio line of products from Assa Abloy. This integration allows an Authentic Mercury based hub to be used downstream on the RS-485 bus from any of Lenel's current ISC's [LNL-3300 - LNL-2220 - LNL-2210]. This Authentic Mercury based hub is a 1:8 hub, meaning it can handle up to 8 Aperio locks per hub.

### Aperio 1:8 Hub

AA-AP-AH30RN1	Aperio 1 to 8 Wireless lock hub using Authentic Mercury; RS-485 connection to ISC; capable of handling up to 8 wireless locks per hub.
AA-AP-APA-10-PC	ASSA ABLOY Aperio Programming Kit; includes USB Radio Dongle for programming; includes test card and memory stick [QTY of 1 each].

### Aperio Wireless Locks Offered by Lenel

PR100 and IN100 Locks	Ideal for institutional and commercial applications.
M100 eCylinder	Ideal upgrade to existing mechanical door hardware
R100	ideal for glass door applications.
A100 keyless entry control	ideal for aluminum and glass storefront doors.

## Assa Abloy Intelligent IP-enabled Readers

ASSA ABLOY intelligent IP-enabled access control solutions take advantage of open standard network infrastructure to provide advanced security and easier, more cost-effective installations. Built on a proven ANSI/BHMA Grade 1 lock platform and available with full iCLASS® credential authentication, they ensure reliable communication, advanced management capabilities, and real-time alarm notification. Power over Ethernet (PoE) access control solutions are IEEE 802.3af compliant and utilize the existing Local Area Network (LAN) to deliver both power and data in a single Ethernet cable. WiFi-enabled solutions leverage an existing 802.11b/g wireless network, significantly reducing installation time and enabling access control in hard-to-wire locations.

### NOTE:

System ID Required Unless Purchasing New System.

Lenel currently can sell the following other Assa Abloy products which are integrated via the OAAP program. More information can be found at the link below:

<http://www.lenel.com/oaap/members#all/all/all/406-433>

#### Corbin Russwin locks

Access 700 series PIP1 and PW11 models  
Access 800 series IP1 and WI1 models  
IN120 series  
Harmony Series Locks

#### Sargent Locks

Passport P1 and P2 models Profile v.S1  
and v.S2 models IN120 series  
Harmony Series Locks

You are able to purchase many Assa Abloy wireless lock product lines (i.e. K100, AS100, KS100, M100, R100, etc...). Please contact [firesecuritycs@carrier.com](mailto:firesecuritycs@carrier.com) for help building a lock configuration and to obtain specific pricing.

### ASSA ABLOY K100 Cabinet Locks - ideal for cabinets, lockers and drawers

AA-AP-K100-622SE-B1	ASSA ABLOY Aperio K100 Cabinet lock; with HID iCLASS SE reader; black color; with round knob.
AA-AP-K100-622-IPS-BP	ASSA ABLOY Aperio K100 Cabinet lock; K100-622-IPS-BP APERIO V3 CABINET LOCK, PROX BLACK, THUMBTURN.
AA-AP-K100-622SE-W1	ASSA ABLOY Aperio K100 Cabinet lock; with HID iCLASS SE reader; white color; with round knob.
AA-AP-K100-622PA-W1	ASSA ABLOY Aperio K100 Cabinet lock; with HID 125 KHZ Prox reader; white color; with round knob.

ASSA ABLOY AS100 Wireless Door Position Sensor - [uses a reader license & 1 port on the 8 port.

## BEST ACCESS Wireless Readers

**NOTE:**

System ID Required Unless Purchasing New System.

### BEST WiQ Lock Series

The BEST Wi-Q wireless platform is a fast, intelligent and secure wireless access control solution. The product offering includes integrated locksets, single door controllers, and portal gateways. The integration to the OnGuard ecosystem affords end users the ability to interface with the BEST Wi-Q Hardware Platforms seamlessly from OnGuard. The OnGuard Communication Server talks directly to the BEST Wi-Q Portal Gateway allowing for minimal infrastructure for deployment. Licensing for the platform is done with a per reader license (SWG-WIQ-32 or SWG-WIQ-001-N) that is separate from the hardwired reader licenses. Product purchased from Lenel includes the license for the reader/lock (SWG-WIQ-001).

### BEST Offline Lock Series

BEST's Offline Lock Series delivers robust, efficient, integrated access control. The self-contained cylindrical, mortise, or exit trim locks are battery powered and can be virtually reconfigured, with access and time parameters set at the lock for higher security. Designed on a powerful platform allowing up to 5,000 users and/or events, the Offline Series offers maximum security and flexibility. Ideal for housing applications, storage locations or anywhere a customer is looking to get away from using keys, BEST Offline allows a solution to be implemented and controlled through OnGuard without the infrastructure of a hardwired or wireless access door. Licensing for the platform is done with a per reader license (SWG-BAS-V-N or SWG-BAS-G-N) that is separate from the hardwired reader licenses. Product purchased from Lenel includes the license for the reader (SWG-BAS-V or SWG-BAS-G) as part of the purchase price.

### BEST IDH Max Lock Series

BEST's IDH Max Series combines access control components—separate readers, strikes, and other equipment—into one durable lockset with only one connector. In addition to a lower visual profile, integrating components in the IDH Max reduces installation time and increases security. Designed to function on interior or exterior doors, the IDH Max delivers convenient, versatile results in a wide range of applications. The BEST IDH Max features integrated request to exit, door position switch, locking hardware, card reader and a LNL-1300 all in a single locking platform. Licensing for the BEST IDH Max follows standard licensing scheme for hardwired doors.

### BEST Shelter Series

BEST SHELTER is a responsive lockdown solution that can be configured to adapt to your building and security protocol—just the way you want. SHELTER combines code-compliant hardware and proven technology. Best of all, it was designed with input from people who have experienced live lockdown situations. This distinct perspective led to an innovative set of features and functionality, allowing you to custom-tailor how SHELTER responds in a lockdown event. Integration to the OnGuard platform is through the use of relay input and outputs from the SHELTER repeater to inputs and outputs on any OnGuard controller. Programming and configuration is done through Local or Global I/O.

### Lock License Bit

SWG-WIQ-001	Best Access WiQ Lock Integration License for one (1) lock PURCHASED through Lenel and attached to an OnGuard System. [REQUIRED one license per lock].
SWG-WIQ-001-N	Best Access WiQ Lock Integration License for one (1) lock NOT PURCHASED through Lenel and attached to an OnGuard System. [REQUIRED one license per lock].
SWG-BAS-V	Partner Access Device License for electronic locks PURCHASED through Lenel and attached to an OnGuard system [REQUIRED license for all Third Party Locks].
SWG-BAS-V-N	Best Access Series V Lock License for locks NOT PURCHASED through Lenel and attached to an OnGuard System. [REQUIRED one license per lock].
SWG-BAS-G	Best Access Series G Lock License for locks PURCHASED through Lenel and attached to an OnGuard System. [REQUIRED one license per lock].
SWG-BAS-G-N	Best Access Series G Lock License for locks NOT PURCHASED through Lenel and attached to an OnGuard System. [REQUIRED one license per lock].

There are hundreds of combinations of BEST ACCESS locks available. Work with local BEST ACCESS/Dormakaba Sales Team for configuration assistance.

## Idemia Morpho Identity Solutions Fingerprint Readers/Writer

SIGMA and Sigma Lite multiple factor solutions combine a fingerprint and smart card reader for access control. It uses standard contactless smart card technology and allows for Wiegand communication formats up to 64-bits of custom data. The readers can be installed on any wiegand reader port. Organisations with OnGuard systems that include keypads, barcode or proximity readers can now add the enhanced security offered by biometric technology without reissuing cards or replacing their existing infrastructure.

Please Note: MorphoAccess readers and devices work with the MorphoManager software (OAAP Partner) or can be used to expand legacy Bioscrypt template based systems, when used in legacy mode. SIGMA and MSO devices cannot be used to capture a legacy Bioscrypt template so a 3G/4G reader will still be required for enrollment.

NOTE: Models listed below as supporting OSDP can be used with ANSI/INCITS templates captures with OnGuard software option SWG-1407. In this case templates are stored on supported Lenel panels and no other Idemia Morpho or OnGuard software options are required. Consult your Lenel technical representative for details.

**NOTE:**

Models listed below as supporting OSDP can be used with ANSI/INCITS templates captures with OnGuard software option SWG-1407. In this case templates are stored on supported Lenel panels and no other Idemia Morpho or OnGuard software options are required. Consult your Lenel technical representative for details.

**NOTE:**

System ID Required Unless Purchasing New System.

### OnGuard Bioscrypt Software Option (enables capture and configuration)

SWG-1402                      Bioscrypt Interface for Fingerprint authentication option.

### MorphoAccess SIGMA Series (support OSDP Biometrics)

SMA-BIO-WR	SIGMA Series - Outdoor/WR/IP65, Multi-factor Bio/PIN (3k users incl.), 1M logs storage capacity, PoE incl.
SMA-PROX-WR	SIGMA Series - Outdoor/WR/IP65, Multi-factor Bio/Card/PIN/BioPIN (3k users incl.), HID Prox, 1M logs storage capacity, PoE incl.
SMA-MULTI-WR	SIGMA Series - Outdoor/WR/IP65, Multi-factor Bio/Card/PIN/BioPIN (3k users incl.), 1M logs. storage capacity, PoE incl.
SMA-ICLASS-WR	SIGMA Series - Outdoor/WR/IP65, Multi-factor Bio/Card/PIN/BioPIN (3k users incl.), HID iClass, 1M logs storage capacity, PoE incl.

### MorphoAccess SIGMA Lite Series (Consult Lenel for OSDP Support)

SMA-L-BIO	MA SIGMA Lite - Bio, Mono-factor Bio only, IP65, 500 users, CE.
SMA-L-PROX	MA SIGMA Lite - Prox, Multi-factor Bio/Card, HID Prox, 500 users, IP65, CE.
SMA-L-MULTI	MA SIGMA Lite - Multi, Multi-factor Bio/Card, MIFARE/MIFARE Plus/DESFIRE, 500 users, IP65, CE.
SMA-L-ICLASS	MA SIGMA Lite - iCLASS, Multi-factor Bio/Card, HID iCLASS, 500 users, IP65, CE.

### MorphoAccess SIGMA Lite Series (Consult Lenel for OSDP Support)

SMA-L-BIO	MA SIGMA Lite - Bio, Mono-factor Bio only, IP65, 500 users, CE.
SMA-L-PROX	MA SIGMA Lite - Prox, Multi-factor Bio/Card, HID Prox, 500 users, IP65, CE.
SMA-L-MULTI	MA SIGMA Lite - Multi, Multi-factor Bio/Card, MIFARE/MIFARE Plus/DESFIRE, 500 users, IP65, CE.
SMA-L-ICLASS	MA SIGMA Lite - iCLASS, Multi-factor Bio/Card, HID iCLASS, 500 users, IP65, CE.

### MorphoAccess SIGMA Lite Plus Series with LCD (Consult Lenel for OSDP Support)

SMA-LP-BIO	MA SIGMA Lite Plus - Bio, 2.8 inch QVGA touchscreen, Mono-factor Bio only, IP65, 500 users, CE.
SMA-LP-PROX	MA SIGMA Lite Plus - Prox, 2.8 inch QVGA touchscreen, Multi-factor Bio/Card, HID Prox, IP65, 500 users, CE.
SMA-LP-MULTI	MA SIGMA Lite Plus - Multi, 2.8 inch QVGA touchscreen, Multi-factor Bio/Card, MIFARE/MIFARE Plus/DESFIRE, IP65, 500 users, CE.
SMA-LP-ICLASS	MA SIGMA Lite Plus - iCLASS, 2.8 inch QVGA touchscreen, Multi-factor Bio/Card, HID iCLASS, IP65, 500 users, CE.

### MorphoAccess SIGMA Extreme

SMA-MULTI-EX	MorphoAccess SIGMA EXTREME MULTI: Fingerprint + Mifare/Desfire/NFC reader: IP65 & IK09 Ruggedized for harsh environments, Touchscreen, 1:5k Users expandable to 100k, FBI PIV IQS Sensor.
SMA-MULTI-EXFFD	MorphoAccess SIGMA EXTREME MULTI: Fingerprint + Mifare/Desfire/NFC reader: IP65 & IK09 Ruggedized for harsh environments, Touchscreen, 1:5k Users expandable to 100k, FFD FBI PIV IQS Sensor.
SMA-ICLASS-EX	MorphoAccess SIGMA EXTREME iClass: Fingerprint + iClass reader: IP65 & IK09 Ruggedized for harsh environments, Touchscreen, 1:5k Users expandable to 100k, FBI PIV IQS Sensor.
SMA-ICLASS-EXFFD	MorphoAccess SIGMA EXTREME iClass: Fingerprint + iClass reader: IP65 & IK09 Ruggedized for harsh environments, Touchscreen, 1:5k Users expandable to 100k, FFD FBI PIV IQS Sensor.
SMA-PROX-EX	MorphoAccess SIGMA EXTREME Prox: Fingerprint + Prox reader: IP65 & IK09 Ruggedized for harsh environments, Touchscreen, 1:5k Users expandable to 100k, FBI PIV IQS Sensor.
SMA-PROX-EXFFD	MorphoAccess SIGMA EXTREME Prox: Fingerprint + Prox reader: IP65 & IK09 Ruggedized for harsh environments, Touchscreen, 1:5k Users expandable to 100k, FFD FBI PIV IQS Sensor.

## MorphoWave Compact (Requires MorphoManager OAAP Integration)

SMA-MWC-MD	MORPHOWAVE COMPACT MD FRICTIONLESS BIOMETRIC ACCESS SOLUTION WITH EMBEDDED MIFARE/DESFIRE READER. 4 FINGER TOUCHLESS ACQUISITION & MATCHING, 10K USERS:293722301.
SMA-MWC-MDPI	MORPHOWAVE COMPACT MDPI FRICTIONLESS BIOMETRIC ACCESS SOLUTION WITH EMBEDDED MIFARE,DESFIRE,PROX, ICLASS READER. 4 FINGER TOUCHLESS ACQUISITION & MATCHING, 10K USERS:293722319.

## MorphoManager OAAP Partner Software

SMA-MM-PRO	MorphoManager PRO Software, includes an Morpho Smark Optic 300 USB Desktop Enrollment Scanner. For enrollment, template management, terminal management and reporting. More information on the use of this software package can be obtained from the Lenel OAAP Partner product site.
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## Iris ID (Formerly LG Electronics) Iris Recognition Products

Iris ID, Iris Technology Division is the leading producer of deployed iris recognition systems worldwide, Iris ID's IrisAccess® 7000 is the most accurate biometric security system in the world - delivering high confidence authentication for a variety of security needs ranging from building access to border crossing applications.

**NOTE:**  
System ID Required Unless Purchasing New System.

## IrisAccess Software Interface for OnGuard Systems (Optional)

SWG-IRIS	IrisAccess Software Interface option for OnGuard ES, ADV and PRO Solutions: Provides seamless iris enrollment and smartcard encoding in OnGuard Software.
SWG-IRIS-ENT	IrisAccess Software Interface option for OnGuard ENT Solutions. Provides seamless iris enrollment and smartcard encoding in OnGuard Software.

Important: SWG-IRIS or SWG-IRIS-ENT part is required only if the IRIS ID templates will be enrolled in OnGuard directly and then encoded to a smart card for verification. If using IRIS ID EAC software only for verification, encoding cards or for 1:N identification, then the interface to Lenel will be via Wiegand output only.



### IrisAccess™ EAC Enrollment/Matching/Configuration Software Product

IRIS-EAC-500	IrisAccess EAC Software for 500 users.
IRIS-EAC-2500	IrisAccess EAC Software for 2500 users.
IRIS-EAC-5000	IrisAccess EAC Software for 5000 users.
IRIS-EAC-10K	IrisAccess EAC Software for 10,000 users.
IRIS-EAC-30K	IrisAccess EAC Software for 30,000 users.
IRIS-EAC-50K	IrisAccess EAC Software for 50,000 users.
IRIS-EAC-100K	IrisAccess EAC Software for 100,000 users.

### Iris ID IrisAccess Dual Iris Recognition Cameras/Readers: Without LCD

IRIS-iCAM7000S-B	DUAL IRIS RECOGNITION READER, FACE IMAGE CAPTURE, AUTOTILT, BLACK, TCP/IP enabled, embedded 5MP face camera with flash. *Note: Power Supply sold separately. See IRIS-iCAM7-PWR for pricing. Ethernet cable not included.
IRIS-iCAM7000S-T	DUAL IRIS RECOGNITION READER, FACE IMAGE CAPTURE, AUTOTILT, SILVER, TCP/IP enabled, embedded 5MP face camera with flash. *Note: Power Supply sold separately. See IRIS-iCAM7-PWR for pricing. Ethernet cable not included.
IRIS-iCAM7010S-H1B	DUAL IRIS RECOGNITION READER, FACE IMAGE CAPTURE, AUTOTILT, BLACK, WITH HID ICLASS SE READER, TCP/IP enabled, embedded 5MP face camera with flash. *Note: Power Supply sold separately. See IRIS-iCAM7-PWR for pricing. Ethernet cable not included.
IRIS-iCAM7010S-H1T	DUAL IRIS RECOGNITION READER, FACE IMAGE CAPTURE, AUTOTILT, SILVER, WITH HID ICLASS SE READER, TCP/IP enabled, embedded 5MP face camera with flash. *Note: Power Supply sold separately. See IRIS-iCAM7-PWR for pricing. Ethernet cable not included.

### With built in LCD/Touchscreen in iCAM

IRIS-iCAM7101S-B	DUAL IRIS RECOGNITION READER, FACE IMAGE CAPTURE, AUTOTILT, BLACK, WITH LCD TOUCHSCREEN/KEYPAD *Note: Power Supply sold separately. See IRIS-iCAM7-PWR for pricing. Ethernet cable not included.
IRIS-iCAM7101S-T	DUAL IRIS RECOGNITION READER, FACE IMAGE CAPTURE, AUTOTILT, SILVER, WITH LCD TOUCHSCREEN/KEYPAD *Note: Power Supply sold separately. See IRIS-iCAM7-PWR for pricing. Ethernet cable not included.
IRIS-iCAM7111S-H1B	DUAL IRIS RECOGNITION READER, FACE IMAGE CAPTURE, AUTOTILT, BLACK, WITH HID ICLASS SE READER AND LCD TOUCHSCREEN/KEYPAD *Note: Power Supply sold separately. See IRIS-iCAM7-PWR for pricing. Ethernet cable not included.
IRIS-iCAM7111S-H1T	DUAL IRIS RECOGNITION READER, FACE IMAGE CAPTURE, AUTOTILT, SILVER, WITH HID ICLASS SE READER AND LCD TOUCHSCREEN/KEYPAD *Note: Power Supply sold separately. See IRIS-iCAM7-PWR for pricing. Ethernet cable not included.

## Accessories

IRIS-iCAM7-RM	Recess Mount for iCAM7000 series.
IRIS-iCAM7-RMT	OPTIONAL RECESS MOUNT FOR iCAM7 / SILVER (BACK PLATES INCLUDED FOR SURFACE MOUNT.)
IRIS-iCAM7-PWR	Power Supply for iCAM7000 series.
IRIS-iCAM7-ST	Enrollment Stand for iCAM7000 series.

## IrisID Extended Warranty Pricing One/Two Year (At the time of hardware purchase)

Important: SWG-LG or SWG-LGENT part is only required for each system or enterprise region in which Iris ID templates will be captured. EXTSW1-500, EXTSW1-2500, EXTSW1-5000, Extended Warranty per IrisAccess Software (500 users to 5000 users): Included with extended warranties for iCAM 7 series hardware.

## Hardware

IRIS-EXTHC-1Y	One Year Extended Warranty per iCAM4000/7000 Series Camera.
IRIS-EXTHC-2Y	IRIS-EXTHC-2Y Two Year Extended Warranty per iCAM 4000/7000 Series Camera.
IRIS-EXTSW-1Y-10K	IRIS-EXTSW-1Y-10K One Year Extended Warranty per Iris Access Software (10K users).
IRIS-EXTSW-2Y-10K	IRIS-EXTSW-2Y-10K Two Year Extended Warranty per Iris Access Software (10K users).
IRIS-EXTSW-1Y-30K	IRIS-EXTSW-1Y-30K One Year Extended Warranty per Iris Access Software (30K users).
IRIS-EXTSW-2Y-30K	IRIS-EXTSW-2Y-30K Two Year Extended Warranty per Iris Access Software (30K users).
IRIS-EXTSW-1Y-50K	IRIS-EXTSW-1Y-50K One Year Extended Warranty per Iris Access Software (50K users).
IRIS-EXTSW-2Y-50K	IRIS-EXTSW-2Y-50K Two Year Extended Warranty per Iris Access Software (50K users).
IRIS-EXTSW-1Y-100K	IRIS-EXTSW-1Y-100K One Year Extended Warranty per Iris Access Software (100K users).
IRIS-EXTSW-2Y-100K	IRIS-EXTSW-2Y-100K Two Year Extended Warranty per Iris Access Software (100K users).

## Desktop Smart Card Readers

**NOTE:**  
System ID Required Unless Purchasing New System.

### OpenCapture Desktop Fingerprint Readers

Sagem Morpho high resolution optical fingerprint capture devices. These units require OnGuard license SWG-1407 and allow you to capture the 500 ppi image of 1-10 fingerprints, Sagem template(s) and standard ANSI 378 template(s). The fingerprints can then be used by HID bioCLASS (Fingerprint on Card), DESFire TWIC 1.02 (Fingerprint on Card) and raw bmp sent to a third party background check system (Requires DataExchange or DataConduit).

SMA-MSO300	MorphoSmart 500 ppi Optical Fingerprint sensor (Metal Housing, USB).
SMA-MSO301	MSO-300 with Fake Finger detection.
SMA-MSO350PIV	MSO-300 with contact smart card reader and FBI certified sensor.
SMA-MSO351	MSO-300 with Fake Finger detection and contact smart card reader.
SM-PS-BUILD	PreScan Ridge Builder film (1.5" x 2") Increases the quality of the capture on the Morpho Smart sensors, recommended for each Morpho Smart sensor.

### Image Capture Options

CAM-24C708AF-USB	Camera only 5MP USB 2.0 with synchronized flash and auto focus, UVC Compliant, includes power supply and 6 ft USB cable; Twain Data Source and camera control / set-up software.
CAM-24C708AF-SYS	CAM-24C708AF-SYS Camera with Stand, 5MP USB 2.0 with synchronized flash and auto focus, UVC Compliant mounted on fixed stand ( CAM-60S0004 ), includes power supply and 6 ft USB cable; Twain Data Source and camera control / set-up software.
CAM-60S0004	Camera Stand, 20.6" x 5.2", Flexible gooseneck arm for use with the CAM-24C708AF-USB
CAM-60TP0001	Compact Industrial Grade Tripod table top camera stand for use with the CAM-24C708AFUSB.
EHK-K42U-A	A Professional Continuous Lighting Kit – includes two 600-watt quartz lights, two bounce back white umbrellas, two stands, mounting brackets and carrying case (110VAC).

### Signature Capture Kits

INTUOS-PRO-SMALL	USB Signature Capture Kit - Intuos Pro Small [PTH-451] - USB or Wireless Connectivity - 12.6 x 8.2 x 0.5 in - active area of 6.2 x 3.9 in - includes wireless connectivity battery - pro pen - USB capable - installation software - USB wireless stick to communicate with tablet.
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## Card Scanning Solutions

LENEL HAS CERTIFIED THE USE OF THE CSS-1000-B PASSPORT/DRIVER'S LICENSE SCANNER FOR USE WITH ONGUARD 6.5 HOT FIX 1 AND ONGUARD 6.6 SERVICE PACK 1 OR LATER.

SWG-1476	OnGuard CSSN Scanner Option. For support of CSS-800 and 1000 series and SNAPSHELL scanners. One license is required per scanner.
CSS-SS800DX	ScanShell 800DX A6 OCR Duplex Scanner - Driver's License, Medical Insurance Card and 2D Barcode scanner; (requires one SWG-1476 license per scanner).
CSS-SSPASSPORT-P4	SnapShell Passport P4 Scanner for OnGuard. Very limited availability. Lead time 4-8 weeks (requires one SWG-1476 license per scanner).
CSS-EXTWAR	Annual Extended Hardware Warranty this includes one additional year of hardware warranty.

## Fargo Direct Card Printers

All printers come with printer cables. These printers are recommended for low, mid and high volume printing applications and are ideal for print server type environments. Encoders for iClass, MIFARE and/or DESFIRE need to be purchased separately.

**NOTE:**  
System ID Required Unless Purchasing New System.

## Badging Software

FRGO-86414	Asure ID 7 Exchange - For organisations looking for intuitive card design, data management and advanced card personalization. Smart card management and maximum flexibility with external data.
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## Single Sided Models

FRGO-89600	HDP5000 Single-Side Base Model Printer, 300 DPI resolution, USB Cable and Power cord included, three year printer warranty [including On-Call Express in the US for the first year] and lifetime warranty on the printhead.
FRGO-89620	Single-Side Base Model Printer with Single-Side Lamination; 300 DPI resolution; USB Cable and Power cord included; three year printer warranty [including On- Call Express in the US for the first year] and lifetime warranty on the printhead.

## Dual Sided Models

FRGO-89640	HDP5000 Dual-Side Base Model Printer, 300 DPI resolution, USB Cable and Power cord included, three year printer warranty [including On-Call Express in the US for the first year] and lifetime warranty on the printhead.
FRGO-89660	HDP5000 Dual-Side Base Model Printer with Single-Side Lamination; 300 DPI resolution; USB Cable and Power cord included; three year printer warranty [including On-Call Express in the US for the first year] and lifetime warranty on the printhead FRGO-89680
FRGO-89680	Dual-Side Base Model Printer with Dual-Side Lamination, 300 DPI resolution, USB Cable and Power cord included, three year printer warranty [including On-Call Express in the US for the first year], and lifetime warranty on the printhead.

## Single Sided with Mag Encoding

FRGO-89601	HDP5000 Single-Side Base Model Printer with ISO Magnetic Stripe Encoder [mag model FRGO-89201]; 2013 model; 300 DPI resolution; USB Cable and Power cord included; three year printer warranty [including On-Call Express in the US for the first year] and lifetime warranty on the printhead.
FRGO-89621	Single-Side Base Model Printer with Single-Side Lamination and with ISO Magnetic Stripe Encoder [mag model FRGO-89201]; 2013 model; 300 DPI resolution; USB Cable and Power cord included; three year printer warranty [including On-Call Express in the US for the first year] and lifetime warranty on the printhead.

## Dual Sided with Mag Encoding

FRGO-89661	HDP5000 Dual-Side Base Model Printer with Single-Side Lamination and with ISO Magnetic Stripe Encoder [mag model FRGO-89201]; 2013 model; 300 DPI resolution; USB Cable and Power cord included; three year printer warranty [including On-Call Express in the US for the first year] and lifetime warranty on the printhead.
FRGO-89681	Dual-Side Base Model Printer with Dual-Side Lamination and with ISO Magnetic Stripe Encoder [mag model FRGO-89201]; 2013 model; 300 DPI resolution; USB Cable and Power cord included; three year printer warranty [including On-Call Express in the US for the first year] and lifetime warranty on the printhead.

## Fargo Direct Card Printers

### Printer Encoding Options

All HID encoders (Inline & Desktop) need to be purchased separately from Fargo printers. The OEM150 iClass encoder has been moved to EOL and can no longer be purchased.

### Badging Software

089277-LENEL	Inline encoder for HDP5XXX printers. Requires OnGuard 7.4 for most applications. Supports encoding of iCLASS classic and DESFire only. Supports reading of smart card serial number only (no prox support, no smart card badge ID reading).
047434-LENEL	Inline encoder for DTC4500e printers. Requires OnGuard 7.4 for most applications. Supports encoding of iCLASS classic and DESFire only. Supports reading of smart card serial number only (no prox support, no smart card badge ID reading).
CP1000D-LENEL	Special Lenel CP1000D Desktop encoder for iCLASS and DESFire only.

### Fargo HDP5000 Printer Ribbons

FRGO-82600	Polyguard 0.6 mil Overlamine Clear 250 count (for use with HDP5000 cartridge 1-2).
FRGO-82601	Polyguard 1.0 mil Overlamine Clear 250 count (for use with HDP5000 cartridge 1-2).
FRGO-82604	Polyguard 1.0 mil Overlamine High Secure Orbit Design Universal orientation 250 count (for use with HDP5000 cartridge 1-2).
FRGO-82615	Thermal Transfer Overlamine Clear 500 count (for use with HDP5000 cartridge 1-2).
FRGO-84050	HDP5000 YMC: Full-color ribbon [750 prints per roll].
FRGO-84051	HDP5000 YMCK: Full-color ribbon with resin black panel [500 prints per roll].
FRGO-84052	HDP5000 YMCKK: Full-color ribbon with two resin black panels [500 prints per roll].
FRGO-84053	HDP5000 HDP Film [1,500 prints per roll].
FRGO-84056	HDP5000 YMCKH: Full-color ribbon with resin black and Heat Seal panel [500 prints per roll].

### Fargo HDP5000 Printer Accessories

FRGO-88935	HDP5000 Single-Side Lamination Module .
FRGO-88936	HDP5000 Double-Side Lamination Module.
FRGO-89001	HDP5000 Dual-Sided Printing Module.
FRGO-89201	HDP5000 ISO Magnetic Stripe Encoder, Tracks 1-3.
FRGO-89200	HDP 5000 Cleaning Kit - includes 4 Printhead Cleaning Swabs; 10 Cleaning Cards; 10 Cleaning Pads and 3 Alcohol Cleaning Cards.

## Ultra Magicard Printers

All printers come with printer cables. These printers are recommended for low, mid and high volume printing applications and are ideal for print server type environments. Encoders for iClass, MIFARE and/or DESFIRE need to be purchased separately.

**NOTE:**  
System ID Required Unless Purchasing New System.

### Rio Pro Printer - Rio Pro Supplies

MC-MA300YMCKO	Rio Pro YMCKO Dye Film [300 prints per roll].
MC-MA250YMCKOK	Rio Pro YMCKOK Dye Film [250 prints per roll].
MC-MA600KO	Rio Pro Black Resin with Overcoat [600 prints per roll].
MC-MA1000K-BLK	Rio Pro Black Resin Film [1000 prints per roll].
MC-3633-0053	Rio Pro Cleaning Kit [includes 10 cards and 1 pen].
MC-3633-0054	Rio Pro Cleaning Roller Kit [includes 5 sleeves and 1 bar].

### Prima Printers

Contact your Lenel representative for latest support, models and pricing for Magicard Prima series printers.

### Prima 4 Supplies

MC-PRIMA431	Prima 4 YMCK Dye Film & Retransfer Film Set [1000 prints per roll].
MC-PRIMA433	Prima 4 YMCKK Dye Film [750 prints per roll double sided].
MC-PRIMA434	Prima 4 YMCK-UV Dye Film - with UV panel [750 prints per roll].
MC-PRIMA435	Prima 4 YMCKO-PO Dye Film - with Peel-off panel [750 prints per roll].
MC-PRIMA436	Prima 4 Re-Transfer film [1000 prints per roll].
MC-PRIMA451	Prima 4 Inline Laminator - Single-sided. 3 year UltraCoverPlus unlimited warranty.
MC-PRIMA452	Prima 4 Inline Laminator - Double-sided. 3 year UltraCoverPlus unlimited warranty.
MC-PRIMA461	Prima 4 Holographic Overlay Film with Generic "Snowflake" design [1000 Overlays per roll].
MC-PRIMA462	Prima 4 Clear Patch Laminate .6mil [600 patches per roll].
MC-PRIMA463	Prima 4 Clear Patch Laminate .6mil with chip cutout [600 patches per roll].
MC-PRIMA464	Prima 4 Clear Patch Laminate 1 mil [600 patches per roll].
MC-PRIMA465	Prima 4 Clear Patch Laminate 1 mil with chip cutout [600 patches per roll with chip cutout].
MC-PRIMA491	Prima 4 Cleaning Kit (For use with all Prima printers).

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## Nisca Direct Card Printers

All printers come with printer cables. These printers are recommended for low, mid and high volume printing applications and are ideal for print server type environments.

### NOTE:

System ID Required Unless Purchasing New System.

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#### NIS-PRC151

PR-C151 High Speed Smart Card Printer - 300dpi Dual-Sided Printer - Edge-to-Edge, 32MB Memory, Self aligning print head module, Dual-sided printing, Dual-sided lamination w/ optional Heat Roller, Magnetic Stripe 3-Track encoding, Password authentication, Downloadable firmware, Card standards: PVC, CR-80 & 79, 20 to 50mil thickness. (Includes 2 Year Printer and Print Head Warranty and 1 Year HOTSWAP).

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#### NIS-L201

Laminator for PR-C201 - Single & Double sided lamination, 1 Mil hardcoat, Thinfilm softcoat, Field Upgradeable, 1 Year Laminator Warranty on L201 Laminator.

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### Heat Rollers for Nisca Printers

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#### NIS-PRL151D

Thinfilm softcoat / overlay laminator/heat roller unit for PR53xx & PR-C151 Printers – provides additional registered security holographic over-lamination for either front, back or front and back printing. Adds an additional 20 seconds per side. 120VAC.

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#### NIS-PRL151A

1mil hardcoat / chip / patch laminator/heat roller unit for PR53xx & PR-C151 Printers – provides additional registered security holographic over-lamination for either front, back or front and back printing. Adds an additional 20 seconds per side, 120VAC.



### Nisca Printer Supplies [Printer Ribbons and Parts] for PR5350 and PRC151

NIS-NGYMCKO3	Ribbon NGYMCKO3/3BP for PR5350/PR3560LE/PR53LE/PRC151 printers [250/roll].
NIS-YMCKOK2	Nisca ribbon NGYMCKOK2 for PR5100, PR5200, PR5300, PR5310, PR5350 and PRC151 printers [210 prints/roll].
NIS-YMCFK	Nisca ribbon NGYMCFK for PR5300,PR5310,PR5360LE,PR5350& PRC151 printers [ 250 prints/roll].
NIS-CLKIT-53	Nisca Cleaningkit53 for P53xx and PRC151 printers. Includes supplies for 1,250 prints, 5 sticky cards, 5 snap sticks and a cleaning pen [Requires Printer firmware 4.3 or higher].
NIS-PR5500K569	Nisca Cleaning Input Rollers PR5500K569 for PR53xx [change every 10K cards].
NIS-PR5350HED	Nisca replacement print head for 5350 [change every 20K cards].
NIS-NSC-CVR	Nisca DC-NI-53 Dust cover for PR53xx and PRC151 printers.
NIS-SNAPSWAB	SnapSwab Cleaners, 25 per package [all Nisca printers].

### Nisca Printer Supplies [Printer Ribbons and Parts] for PR-C101

NIS-NGYMCKOPRC	Nisca Ribbon NGYMCKOPRC cartridge & cleaning rollers for the PRC-101 printer [250/roll].
NIS-CLKIT-C101	Nisca Cleaning Kit PR5500K574KIT for PRC101 & PRC201: 5 Low-Tack cards-5000 prints.
NIS-CVR-C101	Nisca DC-NI-101 Dust cover for PR-C101 printers.

### Nisca Printer Supplies [Printer Ribbons and Parts] for PRC201

NIS-NGYMCK	NiSCA YMCK Ribbon - PR-C201 Retransfer Printer.
NIS-NGYMCKK	NiSCA YMCKK Ribbon - PR-C201 Retransfer Printer.
NIS-BK	NiSCA BK Bkck Only Ribbon - PR-C201 Retransfer Printer.
NIS-NGYMCKH	NiSCA YMCKH Heat Seal Ribbon - PR-C201 Retransfer Printer.
NIS-REXFERFLM	NIS-REXFERFLM NiSCA Retransfer Film - PR-C201 Retransfer Printer Only.

### Nisca Generic Overlaminates

NIS-G2THIN	NiscaGenuine2 - Generic NiscaGenuineV2 - Thinfilm [softcoat / overlay][450/roll].
NIS-GSTHIN	NiscaSecureID-TF - Generic Secure ID - Thinfilm / Overlay [softcoat/overlay][450/roll].
NIS-CLEAR-TF	NiSCAClear-TF - Clear Thinfilm / Overlay [softcoat/overlay][450 printers/roll].
NIS-CLEARPRC201	Clear 1mil Patch for PRC201/L201.
NIS-SECUREIDPRC201	Generic Secure ID - 1mil Holopatch* for PRC201 Printer/L201 Laminator.

### Hot Swap Agreement USA Only

NIS-53xxHS2	PRINTER HOT SWAP Warranty –Year 2 USA Only.
NIS-5302HS1	LAMINATOR HOT SWAP/ Heat roller Unit 1st year USA Only.

## Zebra Direct & Retransfer Card Printers

All printers come with printer cables. These printers are recommended for low, mid and high volume printing applications and are ideal for print server type environments. Encoders for iClass, MIFARE and/or DESFIRE need to be purchased separately.

**NOTE:**

System ID Required Unless Purchasing New System.

### Zebra Single Sided Printers

ZC35-000C000US00	Zebra ZC350 single sided printer with USB and Ethernet.
Z71-000C0000US00	Zebra ZXP Series 7 Single-Sided Card Printer; USB and Ethernet Connectivity; US Power Cord.
Z91-000C0000US00	ZEBRA ZXP SERIES 9 RETRANSFER SINGLE-SIDED CARD PRINTER, USB AND ETHERNET CONNECTIVITY, US POWER CORD.

### Zebra Dual Sided Printers

ZC36-000C000US00	Zebra ZC350 dual sided printer with USB and Ethernet.
Z72-000C0000US00	Zebra ZXP Series 7 Dual-Sided Card Printer; USB and Ethernet Connectivity; US Power Cord.
Z73-000C0000US00	Zebra ZXP Series 7 Dual-Sided Card Printer and Single-Sided Laminator; USB and Ethernet Connectivity; US Power Cord.
Z74-000C0000US00	Zebra ZXP Series 7 Dual-Sided Card Printer and Dual-Sided Laminator; USB and Ethernet Connectivity; US Power Cord.
Z92-000C0000US00	Zebra ZXP Series 9 Retransfer Dual-Sided Card Printer, USB and Ethernet Connectivity, US Power Cord.

### Zebra Single Sided Printers with Mag Encoders

ZC35-0M0C000US00	ZC350 single sided printer with USB and Ethernet and magnetic stripe encoder; US Power Cord.
Z71-0M0C0000US00	Zebra ZXP Series 7 Single-Sided Card Printer; Magnetic Encoder; USB and Ethernet Connectivity; US Power Cord.
Z91-0M0C0000US00	ZEBRA ZXP SERIES 9 RETRANSFER SINGLE-SIDED CARD PRINTER, MAGNETIC ENCODER, USB AND ETHERNET CONNECTIVITY, US POWER CORD.

### Zebra Dual Sided Printers with Mag Encoders

ZC36-0M0C0000US00	Zebra ZC350, dual sided, USB & Ethernet, ISO HiCo/LoCo magnetic encoder s/w selectable, US Power cord
Z72-0M0C0000US00	Zebra ZXP Series 7 Dual-Sided Card Printer; Magnetic Encoder; USB and Ethernet.
Z74-0M0C0000US00	Z74-0M0C0000US00 Zebra ZXP Series 7 Dual-Sided Card Printer and Dual-Sided Laminator; Magnetic Encoder;
Z92-0M0C0000US00	Zebra ZXP Series 9 Retransfer Dual-Sided Card Printer, Magnetic Encoder, USB and Ethernet.

### ZC Series Printer Ribbons and Accessories

105999-310	CLEANING CARD KIT, ZC100/300, 2000 PRINTED CARDS
105999-311	CLEANING CARD KIT, ZC100/300, 5000 PRINTED CARDS
800300-301	RIBBON, MONO -BLACK, 2000 IMAGES, ZC300/350
800300-302	RIBBON, MONO -RED, 1500 IMAGES, ZC100/300/350
800300-303	RIBBON, MONO -BLACK, 1500 IMAGES, ZC100/300/350
800300-304	RIBBON, MONO -BLUE, 1500 IMAGES, ZC100/300/350
800300-306	RIBBON, MONO -METALLIC GOLD, 1500 IMAGES, ZC100/300/350
800300-307	RIBBON, MONO -METALLIC SILVER, 1500 IMAGES, ZC100/300/350
800350-264	RIBBON, COLOR-SDYMCKO, 200 IMAGES, ZC350
800350-301	RIBBON, MONO -BLACK, 2000 IMAGES, ZC350
800350-320	RIBBON COLOR-KDO, 700 IMAGES, ZC350
800350-321	RIBBON COLOR-KRO, 700 IMAGES, ZC350
800350-350	RIBBON, COLOR-YMCKO, 200 IMAGES, ZC350
800350-360	RIBBON, COLOR-YMCKOK, 200 IMAGES, ZC350
800350-550	RIBBON, COLOR-YMCKO, 300 IMAGES, ZC350
800350-562	RIBBON, COLOR-YMCPKO, 200 IMAGES, ZC350
800350-563	RIBBON, COLOR-YMCKLL, 200 IMAGES, ZC350
P1094879-010	ZC-350 UPGRADE KITS, DUAL SIDED
P1094879-012	ZC-350 UPGRADE KITS, PRINTER LOCK

### ZXP Series 1 Printer Ribbons & Accessories

ZXP1-800011-140	Zebra Load-N-Go color ribbon for ZXP Series 1 YMCKO.
ZXP1-800011-101	Zebra Load-N-Go monochrome ribbon for ZXP Series 1 Black.
ZXP1-105999-101	Zebra ZXP Series 1, Cleaning Kit, 4 print engine cleaning cards and 4 feeder cleaning cards (1000 prints/card).

### ZXP Series 3 Printer Ribbons & Accessories

ZXP3-800033-840	ZXP Series 3 - ix Series color ribbon YMCKO [200 prints per roll].
ZXP3-800033-850	ZXP Series 3 - ix Series color ribbon KdO [500 prints per roll].
ZXP3-800033-860	ZXP Series 3 - ix Series color ribbon KrO [500 prints per roll].
ZXP3-800033-801	ZXP Series 3- ix Series monochrome ribbon Black [1000 prints per roll].
ZXP-105999-302	ZXP Series 3 - Cleaning Kit; includes 4 print engine cleaning cards and 4 feeder cleaning cards [enough for 4,000 prints].

### ZXP Series 7 Printer Ribbons & Accessories

ZXP7-800085-914	ZXP Series 7 - 1 mil Laminate for ZXP Series 7; Top; Full Clear; 750 prints per roll.
ZXP7-800085-918	ZXP Series 7 - 1 mil Laminate for ZXP Series 7; Bottom; Full Clear; 750 prints per roll.
ZXP7-800085-913	ZXP Series 7 - 1 mil Laminate for ZXP Series 7; Top; Smart Card; 750 prints per roll.
ZXP7-800085-912	ZXP Series 7 - 1 mil Laminate for ZXP Series 7; Bottom; Mag Stripe; 750 prints per roll.
ZXP7-800077-740	ZXP Series 7 - ix Series color ribbon for ZXP Series 7 YMCKO; 250 prints per roll.
ZXP7-800077-742	ZXP Series 7 - ix Series color ribbon for ZXP Series 7 YMCKO; 750 prints per roll.
ZXP7-800077-748	ZXP Series 7 - ix Series color ribbon for ZXP Series 7 YMCKOK; 250 prints per roll.
ZXP7-800077-749	ZXP Series 7 - ix Series color ribbon for ZXP Series 7 YMCKOK; 750 prints per roll.
ZXP7-800077-770	ZXP Series 7 - ix Series color ribbon for ZXP Series 7 YMCUVK; 750 prints per roll.
ZXP7-800077-701	ZXP Series 7 - ix Series monochrome ribbon for ZXP Series 7 Back; 2500 prints per roll.
ZXP7-105999-704	Zebra ZXP Series 7 Print Station and Laminator Cleaning Kit (Includes 12 feeder; print path and laminator cleaning cards; 12 cleaning swabs; and 3 adhesive cleaning cards for 60,000 prints).
ZXP7-105999-701	Zebra ZXP Series 7 Print Station Cleaning Kit (Includes 12 feeder and print path cleaning cards for 60,000 prints).

### ZXP Series 8 Printer Ribbons & Accessories

ZXP8-800012-445	ZXP Series 8 - i Series color ribbon YMCK [625 prints per roll].
ZXP8-800012-480	ZXP Series 8 - i Series color ribbon YMCKK [500 prints per roll].
ZXP8-800012-543	ZXP Series 8 - i Series color ribbon YMCUVK [500 prints per roll].
ZXP8-800012-901	ZXP Series 8 - i Series monochrome ribbon Black [2500 prints per roll].
ZXP8-800012-601	ZXP Series 8- i Series Clear Transfer Film [1250 prints per roll single sided & 625 prints per roll dual sided]
ZXP-105999-801	ZXP Series 8 - Cleaning Kit; includes 12 X&Y roller cleaning cards and 3 Hot Roller cleaning cards (enough for 60,000 prints)

## Direct Card Printer Badging Accessories

**NOTE:**

System ID Required Unless Purchasing New System.

### PVC Cards

ISO-PVC	VPVC Credit card size (minimum order of 500 cards), 0.030 thick, Laminated construction, Die-cut, rounded corners, polished both sides, polywrapped in qty's of 100.
ISO-PVCM	VPVC Credit card size (minimum order of 500 cards), 0.030 thick, Laminated construction, Die-cut, rounded corners, polished both sides with 1/2" 2750 HICO Mag Stripe, polywrapped in qty's of 100.
ISO-CUS	ISO-CUS Custom Pre-Printing Available on Request.

### Sticky Back PVC Cards

ISO-PVCST	VPVC Credit card size (500 Qty.), 0.030 thick, Laminated construction, Die-cut, rounded corners, polished both sides, polywrapped in qty's of 100.
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Badge Clips, Lanyards, and retractable holders (Other colors and custom printing are available, minimum order quantity for custom option's is 500 units per order, call Inside Sales for quote).

ID-CLIP	Badge Clip, Clear Vinyl (100 units).
ID-CHAIN	Neck Chain, 36", Nickel Plated (100 units).
ID-MBHP	Magnetic Badge Holder, Portrait, CC, Black (100 units).
ID-MBHL	Magnetic Badge Holder, Landscape, CC, Black (100 units).
ID-LANYARD	Lanyard, Breakaway, Black* (100 units).
ID-RETRACT	Retractable Badge Clip, Black* (100 units).

### Slot Punch Devices

ID-SPHH	Slot Punch, Hand Held, Heavy Duty.
ID-SPTT	Slot Punch, Table Top, Heavy Duty.

### Visitor Pass Printer - (All approved for use; direct card printers are supported)

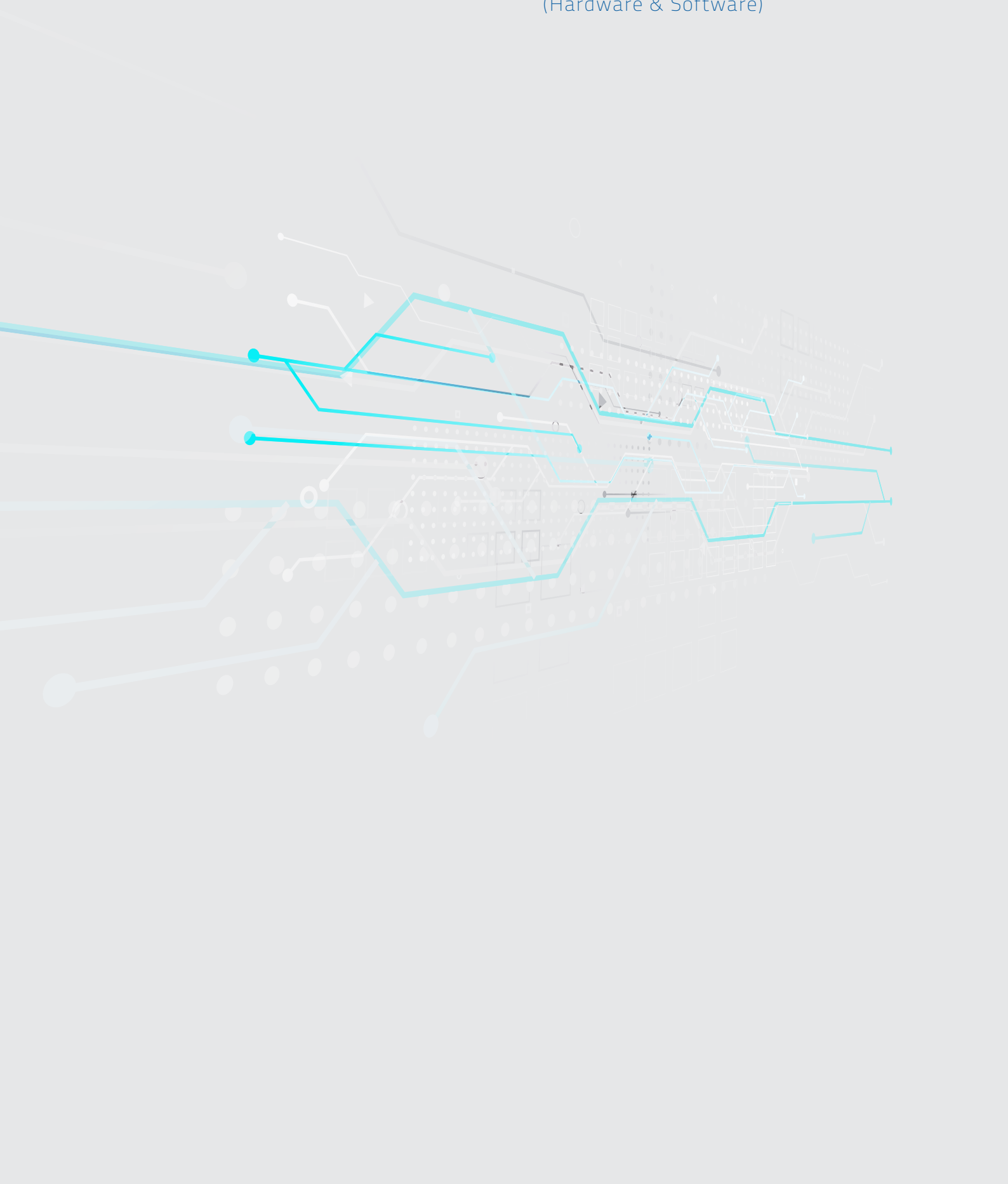
EV-G06337	DYMO label writer 450 TURBO USB printer – Black and white, 300 DPI, support for XP USB and prints 71 labels per minute, with auto switching power supply.
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### Labels

EV-30256	Peel and stick labels – 2 5/16" x 4" labels, 300 per roll.
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# CHAPTER 4.

Video Products  
(Hardware & Software)



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## OnGuard VideoManager™

OnGuard VideoManager is able to seamlessly integrate with other modules of the OnGuard Total Security Knowledge Management Solutions Portfolio or can be deployed as a non-integrated digital video solution.

The OnGuard VideoManager solution is optimized when seamlessly integrated with the OnGuard Access Control and Alarm Monitoring solutions so that real-time linkages of video to alarms occur without operator intervention. The full suite of Video Analytics is available for forensic use on recorded video with no additional configuration fees. Integration of video to alarms provides for instant recall, and for real time video to be viewed at a single workstation. OnGuard VideoManager is an available option for all OnGuard system solutions.

OnGuard VideoManager video recording components are available for analog video input (BNC connectors) or network video input (IP Cameras/Encoders) solutions. Analog video input solutions are offered in turnkey solutions utilizing Lenel Hybrid Video Recorders (HVR). Network video input solutions are offered in both turnkey solutions as well as software based solutions utilizing Lenel Network Video Recorders (LNVR).

The OnGuard VideoManager recording components analog and IP video input solution is available in three chassis, DVC-ST, DVC-SX and DVC-HD. See the Lenel Video Recorder Options page for more details.

The OnGuard VideoManager IP-source recording solutions are available on the DVC-SX and DVC-HD chassis. See the Lenel Video Recorder Options page for more details.

All chassis come with a 3-year hardware warranty from date of shipment.

### **NOTE:**

All OnGuard VideoManager orders must be configured using the Lenel VideoManager Storage Calculator.

### **NOTE:**

When ordering any/all Video products, OnGuard System ID is required unless purchasing

### **DIGITAL VIDEO TABLE OF CONTENTS**

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OnGuard Video Manager Software  
OnGuard Video Software Options  
Lenel Video Recorder Options  
OnGuard Archiving and Storage Options

## OnGuard VideoManager™ Software

### NOTE:

When Ordering any/all Video Products, OnGuard System ID is required.

### Video Security Server Options - Software Only

SWG-DV	OnGuard Digital Video Enabler. This option should be included if you already have purchased an OnGuard Access Control system and wish to turn on digital video. This license activates the digital video tab to show up in OnGuard so you can use IP - Analog or hybrid recorders and cameras in OnGuard. Also increments SWC-DVxxx license by one giving you one client of Digital Video included.
SWS-DV	OnGuard Video Security Server Software License on CD – include this part number if you want stand-alone video system. Includes OnGuard digital video server software license, system administration for video, communication server for video, alarm monitoring for video, a single OnGuard digital video client license, flexnet softkey and first year support plan SUSPW-VO. (USE PC-CONFIG#3 Platform).
SWS-LAS	Lenel Archive Server License – One archive server license is required per storage library or storage server vault configuration. (When using tape libraries you must have a three internal hard drives).

### Video Clients Options

SWC-DV	OnGuard Video Client Software License – includes a single digital video client software for any client workstation.
SWC-DV-5	OnGuard Video Client Software License (Qty 5) – includes five concurrent digital video client software licenses for any client workstation.
SWC-DV-10	OnGuard Video Client Software License (Qty 10) – includes ten concurrent digital video client software licenses for any client workstation.
SWC-DV-25	OnGuard Video Client Software License (Qty 25) – includes twenty-five digital video client software licenses for any client workstation.

### Camera Channel Licenses for Non Lenel Supplied Recorder

DV-CH-8UP	8 Camera channel device license to Non Lenel supplied server solutions.
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### Turnkey Systems (Software with PC)

PCS-DV	OnGuard Video Security Server System with PC – include this part number if you DO NOT HAVE an OnGuard Security Server PC- includes Microsoft Windows 7 Professional 64-bit, SQL 2008 R2 Express database, OnGuard digital video security server software license with PC, System Administration for video, Communication Server for video, Alarm Monitoring for video, a single OnGuard digital video client license and first year support plan for new systems. Note: Digital Video Recorders are sold separately. (INCLUDES PC-CONFIG#3 Platform).
PCC-HPC-DV	OnGuard Video Client Software with PC – includes single digital video client software with PC. (INCLUDES PC-CONFIG#7 Platform).



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## OnGuard Video Software Options

### Channel Software Only

#### SW-LNR-CH1

Lenel Network Video Recorder Software - Includes a single channel software license for one IP/ Network based camera channel to be used with either a customer provided PC or adding on to a turnkey system. The customer provided PC must meet or exceed the Minimum DVC-EX PC Configuration requirements listed above (maximum of 63 IP/network channels per recorder based on video resolution, frame rate, quality and processing options being utilized).

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#### DVG-RM

Remote Monitor Client - Single Remote Monitor Client Software license. Video can be transmitted to a remote computer on the network running the Remote Monitoring Client Software. (Requires License Key Number for every upgrade order).

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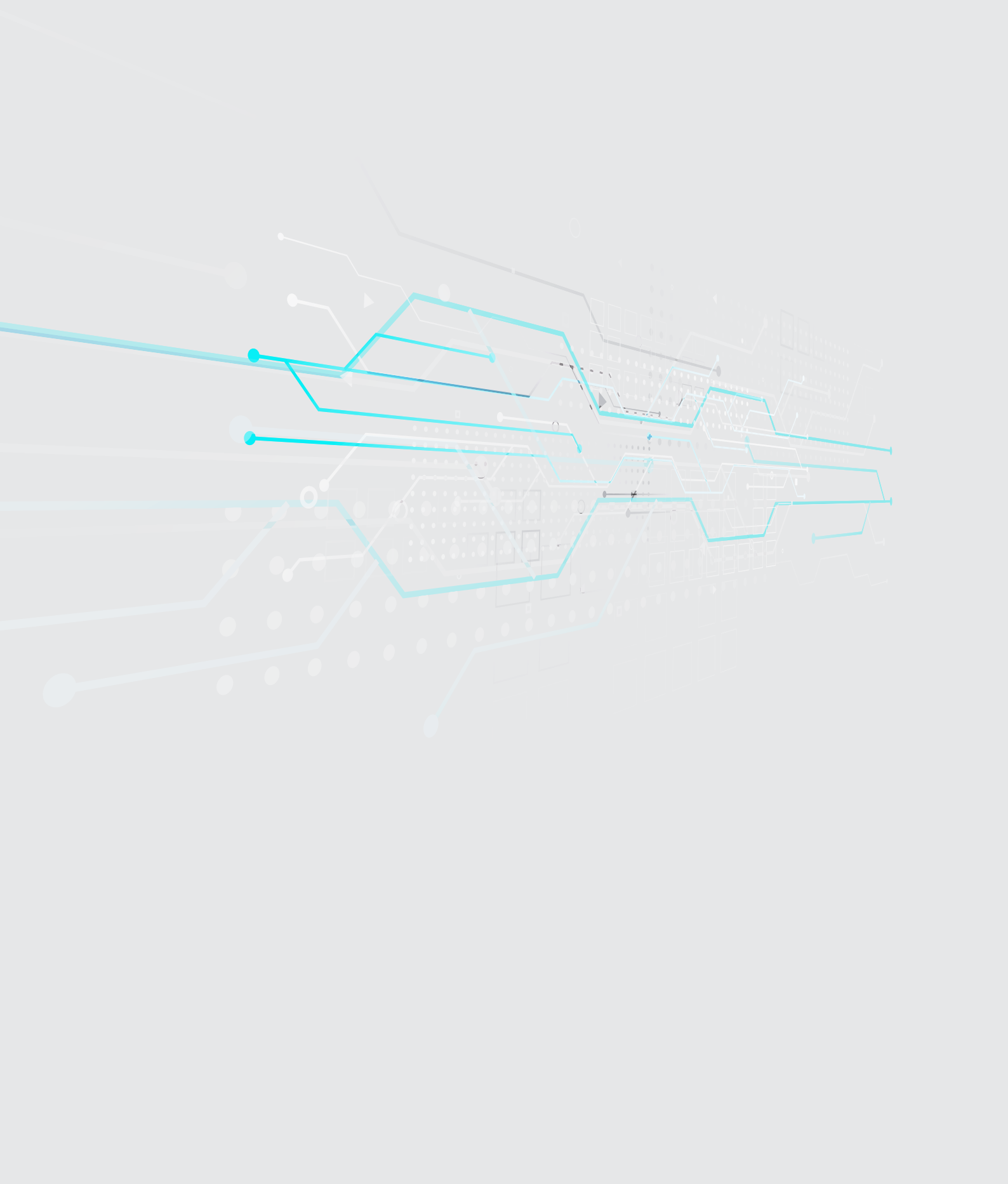
### DVR TO NVR CONVERSION CHANNEL

#### SW-DVR2NVR-CH1

DVR to NVR Channel Conversion - Single channel conversion of Lenel DVR licenses (DVCH-XXX) to Lenel NVR licenses (SW-LNR-CH1) for end users moving from away from Lenel DVR [analog recorders]. This part will convert 1 channel from DVR to LNVR allowing it to be used for an IP camera or a Hybrid recorder.

# CHAPTER 5.

Training & Service Offerings



## LenelS2 Learning

Lenel offers three different types of training, allowing you to combine online and in-person classes to meet your schedule, pace and budget needs. Experienced staff members can help you create a complete training curriculum to get the most out of all Lenel has to offer.



**Classroom Training** - Choose from hundreds of courses across multiple times and locations, or set up on-site training courses at your business, a customer site or an alternate location.

**eLearning** - In-depth, technical exploration of key topics for those who want to learn more about specific topics covered in their instructor-led courses. eLearning is available via the Partner Center.

Users will be able to access the eLearning website from the Partner Center Dashboard by clicking on the eLearning tile. For LenelS2 OnGuard certification maintenance, there will be eLearning courses and knowledge updates required.



## ANZ Training course availability

Price per day		
Tier 1	Tier 2	Tier 3
\$100	\$200	\$500

**Please refer to your VAR Agreement for your company tier discount.**

Course	Description	Duration (days)
<p>CORE - OnGuard Hardware &amp; Software Fundamentals</p> <p>Course Code: TRG-LNL-CORE</p>	<p>This course is intended for entry-level technicians involved in the basic implementation of a Lenel electronic security system. It is the starting point for all Lenel certification tracks for individuals looking to attain the Lenel Certified Professional (LCP), Lenel Certified Expert (LCE), or Lenel Certified Design Architect (LCDA) certifications.</p> <p>Prerequisites: NONE</p>	5
<p>ACCESS - Advanced Access Control</p> <p>Course Code: TRG-LNL-ADVACC</p>	<p>This course is intended for advanced-level access control technicians seeking to expand their knowledge, skills, and abilities in planning, implementing, and maintaining an OnGuard access control system. It is designed for individuals who are seeking the Lenel Certified Professional: Access Control certification.</p> <p>Prerequisites: CORE</p>	3
<p>ENTERPRISE - Enterprise Overview</p> <p>Course Code: TRG-LNL-ENTERP</p>	<p>This course is intended for advanced-level access control technicians seeking to expand their knowledge, skills, and abilities in planning, implementing, and maintaining an OnGuard Enterprise systems. It is designed for individuals who are seeking the Lenel Certified Expert: Access Control certification.</p> <p>Prerequisites: ACCESS</p>	1
<p>VIDEO - Digital Video</p> <p>Course Code: TRG-LNL-DIVIDEO</p>	<p>This course is intended for advanced-level digital video technicians seeking to expand their knowledge, skills, and abilities in planning, implementing, and maintaining an OnGuard video system. It is designed for individuals who are seeking the Lenel Certified Professional: Digital Video certification.</p> <p>Prerequisites: CORE</p>	3
<p>NEC EXPRESS CLUSTER - High Availability and Disaster Recovery Solutions</p> <p>Course Code: TRG-LNL-NECXCLU</p>	<p>This course is intended for advanced-level technicians seeking to expand their knowledge, skills, and abilities in planning, implementing, and maintaining high availability and disaster recovery solutions in an OnGuard access control system. It is designed for individuals who are seeking the Lenel Certified Expert: database certification.</p> <p>Prerequisites: CORE</p>	2
<p>INTRUSION - Advanced Intrusion</p> <p>Course Code: TRG-LNL-ADVINTR</p>	<p>This course is intended for advanced-level technicians seeking to expand their knowledge, skills, and abilities in planning, implementing, and maintaining intrusion detection technology in an OnGuard access control system. It is designed for individuals who are seeking the Lenel Certified Professional: Intrusion certification.</p> <p>Prerequisites: CORE</p>	2
<p>DATABASE - Database Fundamentals</p> <p>Course Code: TRG-LNL-DATABASE</p>	<p>This course is intended for technicians seeking to expand their knowledge, skills, and abilities in identifying and working with Structured Query Language (SQL) database systems, specifically as they relate to OnGuard. It is designed for individuals who are seeking the Lenel Certified Professional: Database.</p> <p>Prerequisites: CORE</p>	1
<p>CUSTOM REPORT - Custom Report Overview</p> <p>Course Code: TRG-LNL-REPORT</p>	<p>This course is intended for technicians seeking to expand their knowledge, skills, and abilities in identifying and working with custom report using crystal reporting, specifically as they relate to OnGuard. It is designed for individuals who are seeking the Lenel Certified Expert: Database.</p> <p>Prerequisites: DATABASE FUNDAMENTALS</p>	1

## ANZ Training course availability

Course	Description	Duration (days)
DATA EXCHANGE - Data Exchange Overview Course Code: TRG-LNL-DBEXCH	This course is intended for technicians seeking to expand their knowledge, skills, and abilities in working with and troubleshooting Lenel DataExchange. It is designed for individuals who are seeking the Lenel Certified Expert: Database. Prerequisites: DATABASE FUNDAMENTALS	1
DATA CONDUIT - DataConduit Overview Course Code: TRG-LNL-DCONDUIT	This course is intended for technicians seeking to expand their knowledge, skills, and abilities in working with and troubleshooting Lenel DataConduit. It is designed for individuals who are seeking the Lenel Certified Expert: Database. Prerequisites: DATABASE FUNDAMENTALS	1

End User training		
Course	Description	Duration (days)
Picture Perfect to OnGuard Access Control Essentials Course Code: TRG-CUS-PP2OG	This hands-on course is designed to offer advice for general overview of the Lenel OnGuard® Security Management Software. Prerequisites: NONE	2
OnGuard User Administration Course Code: TRG-CUS-OGADM	This hands-on course is designed to offer advice for practical administration of the Lenel OnGuard® Security Management Software. Prerequisites: NONE	3
OnGuard User Advanced Administration Course Code: TRG-CUS-OGADVADM	This hands-on course is designed to offer advice for practical administration on advanced topics of the Lenel OnGuard® security management software. Prerequisites: User Administration	3
OnGuard User Digital Video Course Code: TRG-CUS-OGVIDEO	This hands-on course offers a discussion forum with focus on OnGuard® Digital Video including an Overview, Archive Server, LDVR Configuration, LNVR Configuration, Alarm-Video Configuration, Digital Video Operator Training, Utilities and Diagnostics and a review of documentation available. Further information follows. Prerequisites: User Administration	2
OnGuard User Enterprise Course Code: TRG-CUS-OGENTERP	This hands-on course is designed to offer an overview of Lenel OnGuard® Security Management System Enterprise Edition, software deployment, configuration and operator training. Prerequisites: User Advanced Administration	1
Legacy Systems Classroom Training		
Course	Description	Duration (days)
Facility Commander Wnx Certification Course Code: TRG-LNL-FCWNX	The Facility Commander Wnx Certification course is a 4 days of classroom training focuses on the Professional edition of the software. In this course, the technician will learn about its installation, configuration, and operation with both the Micro and ACU product lines.	3
Picture Perfect Certification Course Code: TRG-LNL-PP	The Picture Perfect Service Tech Certification course is a 5-day workshop that focuses on the Picture Perfect 4.6 access control system. In this course, the technician will learn how to configure the Picture Perfect stand-alone edition of the software.	4

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## LenelS2 Learning Web Based eLearning Training

Lenel offers Web-based training – flexible online elearning options to access courses from the home, office or on the road.

Modules that keep you up-to-date on product release versions--staying up-to-date with the latest versions of Lenel hardware and software, students are required to complete courses that keep their knowledge, skills and abilities current. Each time a new version of a Lenel product is released, students are required to complete the corresponding distance learning course within 120 days.

For those wanting to learn more about specific topics covered in their instructor-led courses, our web-based eLearning classes provide additional in-depth, technical exploration of key topics. Prerequisite content is also available through eLearning modules, allowing classroom time to focus more exclusively on key hands-on topics and examples while reducing travel time and expenses for students. We continue to expand our eLearning offerings based on positive feedback and course demand, giving you more ways than ever to access industryleading instruction. Courses are available any time, day or night, along with an easy-to-use web portal that lets you track your progress and create customized reports.

Please head to the Lenel Partner Center to view the eLearning Portal.

## Software Upgrade and Support Plans (SUSP)

SUSP is purchased by an Authorized Reseller for a specific End User site and available after the expiration of the manufacturer's warranty, which makes available to you every commercially released version of OnGuard software, as well as our standard telephone technical support.

### 32 ES Base System

**SUSP-W-ES** 32ES SUSP PLAN. Covers 32ES, 32ESI, IDES Systems, GO-ES & GO-ESI systems.

### ADV Base Systems

**SUSP-ADV-TR-1** ADV SUSP PLAN - Tier 1; 64-128 Readers. Covers ADV / ADVI / IDADV Systems.

**SUSP-ADV-TR-2** ADV SUSP PLAN - Tier 2; 129-192 Readers. Covers ADV / ADVI Systems.

**SUSP-ADV-TR-3** ADV SUSP PLAN - Tier 3; 193-256 Readers. Covers ADV / ADVI Systems.

### PRO Base Systems

**SUSP-PRO-TR-1** PRO SUSP PLAN - Tier 1; 128-256 Readers. Covers PRO / IDPRO / PROI Systems.

**SUSP-PRO-TR-2** PRO SUSP PLAN - Tier 2; 257-512 Readers. Covers PRO / PROI Systems.

**SUSP-PRO-TR-3** PRO SUSP PLAN - Tier 3; 513-1024 Readers. Covers PRO / PROI Systems.

**SUSP-PRO-TR-4** PRO SUSP PLAN - Tier 4; 1025-2048 Readers. Covers PRO / PROI Systems.

**SUSP-PRO-TR-5** PRO SUSP PLAN - Tier 5; 2049 or more Readers. Covers PRO / PROI Systems.

### Enterprise Base Systems

**SUSP-ENT-MAS** Enterprise Master SUSP PLAN - Covers Enterprise Master Server

**SUSP-ENT-REG-TR-1** Enterprise Region SUSP PLAN - Tier 1; 128-256 Readers. Covers ENTREG1 Systems

**SUSP-ENT-REG-TR-2** Enterprise Region SUSP PLAN - Tier 2; 257-512 Readers. Covers ENTREG1 Systems

**SUSP-ENT-REG-TR-3** Enterprise Region SUSP PLAN - Tier 3; 513-1024 Readers. Covers ENTREG1 Systems

**SUSP-ENT-REG-TR-4** Enterprise Region SUSP PLAN - Tier 4; 1025-2048 Readers. Covers ENTREG1 Systems

**SUSP-ENT-REG-TR-5** Enterprise Region SUSP PLAN - Tier 5; 2049 or more Readers. Covers ENTREG1 Systems

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## Enterprise Lite Base Systems

SUSP-W-ENT-MAS-LT	Enterprise Master Lite SUSP PLAN; covers up to 64 readers.
SUSP-W-ENT-REG-LT	Enterprise Region Lite SUSP PLAN; covers up to 64 readers.
SUSP-W-ENT-REG-SM	Enterprise Region Small SUSP PLAN; covers up to 32 readers.

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## Integrated Video Additions

SUSP-DV	DV Channel SUSP PLAN; SW support for each single video channel licenses Includes LNVR / LDVR / HVR / Integrated GO channels, Integrated TruVision channels, OAAP channels.
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## Stand-Alone Video Systems

SUSP-VO	Video Only SUSP PLAN - SW support for Video Only Systems [SWS-DV purchases] SUSP-DV required for QTY of cameras on Video Only System.
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## Technical Support Add-on Options

### Direct System User Support Plans

Requires current SUSP. Caller(s) must have achieved certification prior to purchase. Calls are limited to software support only. Hardware installation and/or repair support along with software upgrade support are not included. (During normal business hours only.)

**NOTE:**

The Software Upgrade and Support Plan must be current in order to qualify for Direct OnGuard System User Support.

SUDS-NES-32	OnGuard User Direct Technical Support for 32ES/32ESI systems.
SUDS-NES-64	SUDS-NES-64 OnGuard User Direct Technical Support for ADV & ADVI systems .
SUDS-NES-PRO	SUDS-NES-PRO OnGuard User Direct Technical Support for PRO & PROI systems.
SUDS-NES-VID	SUDS-NES-VID OnGuard User Direct Technical Support for OG Video Only systems.
SUDS-NES-ENT-LT	SUDS-NES-ENT-LT OnGuard User Direct Technical Support for Enterprise Lite systems or Enterprise systems with two regions or less.
SUDS-NES-ENT	OnGuard User Direct Technical Support for Enterprise customers.

### Emergency 24 x 7 Support Plans

Emergency support is reserved exclusively for emergencies only limited to system down or major feature failure. Software upgrades during off-hours are a planned activity and do not constitute an emergency and/or emergency coverage under this plan.

**NOTE:**

The Software Upgrade and Support Plan must be current in order to qualify for Emergency support plan by site.

### Hourly Support Rates

TSS-HRLY-1	Two hour minimum, one hour increments after. Hourly per incident rate for certified VAR callers from sites without valid Annual Software Upgrade and Support Plan.
TSS-CUSTOM	Custom quote for unique services requested by the customer.

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## How to create an accurate SUSP quote

1. Determine the appropriate Base System. This is the SUSP Base Price.
2. Include any Integrated Video Additions that are listed on the license file.
3. Include any Technical Support Add-on Options.
4. Add the Base Price and all additions/options to determine the total SUSP quotation price.

\*If the System is a Multi-Server Enterprise System, the Base Price is either the Enterprise Master or Redundant configuration Enterprise Master. Additions would be each type of Enterprise Region (REG, REG-REDU, REG-LT, REG-LT-REDU, REG-SM, REG-SM-REDU). Add unit pricing per each Region or Redundant Region.

### NOTE:

Lapsed SUSP Coverage: For any System that has allowed their Software Upgrade and Support Plan to lapse in continuous coverage. In this case, a System is allowed to upgrade to the latest software version available by purchasing a Support Plan for each year of support needed to bring the System-User's system current. For example, the SUSP coverage expired on 10/1/2014. One SUSP must be purchased for each year in order to bring the system up to a valid one year support plan (Base System + SUSP Additions). If the current date is 8/1/2016, then three years' worth of SUSP must be purchased to bring the system current, and the new expiration date will be 10/1/2017. Software only upgrades are not sold separately.

## Custom Solutions(CS)

Due to the flexible nature of services offered by the Lenel Custom Solutions group, custom quoting will be required for most integration services ordered. Please contact [firesecuritycs@carrier.com](mailto:firesecuritycs@carrier.com) to request information.

**NOTE:**

Travel related expenses are not included in prices listed for on-site services.

CS-EXP	CS Daily expenses Call For Quote
CS-DEV-CUST	Custom Development Integration Call For Quote
CS-PRI-SCH	Custom Solutions Priority Scheduling
CS-EMR-SCH	Custom Solutions Emergency Scheduling
CS-DEV-SOL	Custom Solutions will develop a detailed scope and design for a proposed solution. Includes requirements gathering workshops with the VAR and/or End User as needed. Development costs of the proposed solution will be discounted by 20% up to 100% of CS-DEV-SOL costs.
CS-LIC-SWP	Migration of Custom Solutions DataConduit to OpenAccess licensing. To be used when a DataConduit Custom Solution is converted to OpenAccess.

### Add-On Integrations

CS-DEV-AD	Active Directory Synchronization. Includes: CS-1140 (DataConduit Client License), 1 day remote installation support, first year Custom Solutions Software Support. Call For Quote.
CS-AAR-CRED	Enhanced Audit Reports (Cardholder, Badge, Access Level Assignments) - details perfield changes to include values pre- and post- modification. *Enterprise System discount available - submit request for quote.
CS-AAR-HW	Enhanced Audit Reports (Hardware) - details per-field changes to include values preand post- modification. *Enterprise System discount available - submit request for quote.
CS-AAR-ALL	Enhanced Audit Reports (Cardholder, Badge, Access Level Assignments AND Hardware) - details per-field changes to include values pre- and post- modification. *Enterprise System discount available - submit request for quote.

CS-DEV-ECMON	Lenel ExpressCluster Monitoring (requires SWG-1140).
CS-DEV-FTMON	Fault Tolerant Server Monitor (requires SWG-1140).
CS-DEV-CDR	Custom Solutions Clean/Dirty Reader Integration. Contamination prevention through the use of rules-driven hazardous and clean area access restrictions. Includes: CSDEV-CDR license, CS-1140 (DataConduIT Client License), remote installation support, first year Custom Solutions Software Support.
CS-RNDM-SCRN	Custom Solutions Random Screening Integration. Random selection of Cardholders for additional screening as they enter and/or exit the facility. Includes: CS-1140 (DataConduIT Client License), remote installation support, first year Custom Solutions S ft S t.
CS-OCC-BRD	Browser based solution that enables near real-time configurable view of who is currently in an OnGuard area including photos. Warns when an area is in muster.
CS-DEV-SYSLOG	Syslog Export Integration - includes DataConduIT, DataConduIT Message Queue, 1 Deployment, 1st year CS SUSP.
CS-DEV-PURGE	Configurable Event Log Purge - includes OpenAccess License, 1 Deployment, 1st year CS SUSP.
CS-DEV-MRCD	Multi Reader Card Display (Swipe & Show) - includes OpenAccess License, 1 Deployment, 1st year CS SUSP.

## Elevator Integrations

CS-KONE-DOP	KONE Destination Dispatch Integration. Includes: CS-1140 (DataConduIT Client License), remote installation support, first year Custom Solutions Software Support.
CS-KONE-TS	Turnstile Integration. Includes: CS-1140 (DataConduIT Client License), remote installation support, first year Custom Solutions Software Support.
CS-KONE-ALL	KONE Destination Dispatch Integration & KONE Turnstile Integration. Includes: CS-1140 (DataConduIT Client License), remote installation support, first year Custom Solutions Software Support.
CS-ELVDB-SCHIND	Schindler Elevator Cardholder Database Integration. Includes: CS-1140 (DataConduIT Client License), remote installation support, first year Custom Solutions Software Support.
CS-ELVT-SCHIND	Schindler Elevator Turnstile Integration. Includes: CS-1140 (DataConduIT Client License), remote installation support, first year Custom Solutions Software Support.
CS-MITS-DOP	Mitsubishi Elevator DOP/ELI Integration. Includes: OpenAccess license, remote installation support, first year Custom Solutions Software Support.

## Legacy Synchronization

CS-DEV-FC20G	FcWnx to OnGuard sync Call For Quote
CS-DEV-OG2FC	OnGuard to FcWnx sync Call For Quote
CS-DEV-D20G	Diamond II to OnGuard sync

## Custom Solutions Support Options

CS-SUSP-STND	Standard Custom Solutions integration support. Includes recertification for OnGuard upgrades. Does not include deployment.
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## Professional Engineering Services (PES) Policies, Guidelines and Services

Professional Engineering Services has been designed to complement Lenel's Value Added Resellers (VARs) with multiple levels of assistance. Professional Engineering Services works closely with VARs, so that comprehensive service offerings are available for OnGuard End Users.

In order to receive PES services, an official quote request must be initiated through the Partner Center or via the Australia customer service team at [firesecuritycs@carrier.com](mailto:firesecuritycs@carrier.com).

Prices listed below are for budgetary purposes only and may vary depending on the scope of work. An official PES quote is required for scheduling. For more information, call Lenel and select Professional Engineering Services from the main menu.

A minimum lead time of 4-6 weeks should be considered for PES scheduling.

Availability may vary based on current demand. PES projects are scheduled based on the location of the Systems Engineer, unless specified in the scope of work. Contact Lenel PES prior to committing dates to your End User. To ensure availability of PES service for a desired date, it is recommended that scheduling be done at time of order. PES cannot schedule any project dates without an official purchase order. The purchase order must include a line item for expenses for all projects requiring onsite activity.

### FOR ON-SITE DEPLOYMENTS:

#### DOMESTIC TRAVEL:

- Travel expenses are invoiced at a fixed rate line item PES-00X.

#### INTERNATIONAL TRAVEL:

- Will have expenses billed at an actual rate under line item PES-00X.
- Is subject to additional in-transit charges (up to 4) and charges for VISA requirements.
- Charges may be waived in exchange of business class travel for flights greater than 8 hours in duration.

The PES travel policy can be located here:

<https://ps.lenel.com/RFQ/TravelPolicy.aspx>

For more information please contact the team at [firesecuritycs@carrier.com](mailto:firesecuritycs@carrier.com)

### Standard Part Numbers

PES-EC-D	Daily rate
PES-EC-D-P	Project rate Call For Quote
PES-00X	Daily expenses (fixed rate) Call For Quote
PES-011	In-transit and labor charge
PES-OTD	Overtime (per hour)
PES-CNL	Cancellation Fee per day

## Professional Services: Level 1 Services

### OnGuard Installation And Deployment Packages

DESCRIPTION OF SERVICE: PES is able to assist in the deployment of your future OnGuard Systems. OnGuard Enterprise systems will require a planning session prior to deployment. Service includes deployment of supported database and OnGuard products.

PES-IDP-PROI	PRO Installation and Deployment Package.
PES-IDP-ENTL	PES-IDP-ENTL Enterprise 2 Regions or less Install and Deployment Package.
PES-IDP-ENT	PES-IDP-ENT Enterprise 3-5 Regions Install and Deployment Package.
PES-IDP-CFQ	PES-IDP-CFQ Enterprise 6 or more Regions Install and Deployment Package.

### OnGuard Upgrade Packages

Description of Service: OnGuard upgrades can be performed either through Remote or On-site involvement. Remote upgrades can be accomplished through either an outside Web connection, or via a VPN connection. An upgrade test is required prior to production upgrade involvement. There will be an expected lead-time for onsite scheduling due to in-house testing.

### Standard Part Numbers

PES-UPG-PROI	PRO Software and Database Upgrade
PES-UPG-ENTL	Enterprise 2 Regions or less Software and Database Upgrade
PES-UPG-ENT	Enterprise 3 - 5 Regions Software and Database Upgrade
PES-UPG-CFQ	Enterprise 6 or more Software and Database Upgrade

### Remote Upgrade Standby Support

Description of Service: OnGuard Remote Standby Support will provide added assurance to the success of your upgrade where manufacturer support is desired at a lesser capacity. A remote connection is required for the length of standby support. Service requires a copy of production database(s) for an in-house upgrade bench test and a project plan. Upgrade Standby Support is purchased for an allocated period on an 'as needed' basis for unforeseen issues. PES will provide best effort support to resolve the issue. If PES cannot resolve the issue and Engineering assistance is required, Engineering Support through an Engineering Escalation is available during normal business hours through Lenel Technical Support.

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PES-RMT-SUP	Remote Upgrade Support (call for quote)
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### OnGuard System Assessment

Description of Service: A standard system assessment includes a system inspection of all base aspects of the OnGuard install. System Assessment can be performed either through Remote or On-site involvement. System Assessment can be completed prior to upgrade or annually as part of a yearly maintenance plan.

PES-SRA-PROI	PRO System Assessment
PES-SRA-ENTL	Enterprise 2 Regions or less System Assessment
PES-SRA-ENT	Enterprise 3 - 5 Regions System Assessment
PES-SRA-CFQ	Enterprise 6 or more System Assessment

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### OnGuard Factory Acceptance Test (FAT)

Description of Service: Lenel Professional Services offer a comprehensive test of all system functionality prior to deployment of a system in a production environment. A default FAT test of the basic OnGuard system is provided with this service. Custom modules can be developed and added per customer specification at an additional charge. Enterprise test beds will cover up to 2 Regions for testing. (Sample FAT documentation is available on the PS RFQ site).

PES-FAT-PROI	PRO/ES/ADV Factory Acceptance Test (FAT)
PES-FAT-ENT	Enterprise 1-5 Regions Factory Acceptance Test (FAT)
PES-FAT-CFQ	Enterprise 6 ore more Regions Factory Acceptance Test (FAT)

## Professional Services: Level 2 Services

PART	DESCRIPTION
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### Level 2 Standard Part Numbers

PES-PRI-SCH	Priority Scheduling Fee (between 3 and 10 days travel notice).
PES-EMR-SCH	Emergency Scheduling Fee (less than 3 days travel notice) ** PES escalated service availability is not guaranteed and is dependent on current project scheduling and the ability to shift project schedules.

### OnGuard Planning Sessions

Description of Service: This program ensures that all the proper elements, processes, personnel and maintenance tasks are properly planned and addressed prior to the deployment of the system. The Lenel PES group will provide recommendations to properly plan, deploy and maintain your future OnGuard Systems. \*Note Required for OnGuard Enterprise Systems.

PES-EPS-ENT	Enterprise Deployment Planning Session [Required for OnGuard Enterprise]
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### One-Time Import from a Database

Description of Service: Lenel PES offers a service to write a one-time script to import Cardholders, Cardholder Photos, Badges and Access Levels into your OnGuard system from third-party systems. This service supports imports from MS SQL or Oracle databases. A flat text file can be used for the import as well. Hardware, system options and/or configurations will not be included in this process. In the event that the site does not own a DataExchange license, temporary use will be allowed for deployment. All scripts used are strictly for one-time use only and will not be supported following PES involvement. If the source data is not clearly defined, additional chargeable PES time may be required.

PES-DE-OT1	One-time DataExchange import from 1 database into a blank database
PES-DE-OT2	One-time DataExchange import from 1 database into an existing database
PES-DE-CFQ	One-time DataExchange import from 2 or more Databases



## Video Services Assessment

Description of Service: A standard system assessment includes a system inspection of all base aspects of the OnGuard Digital Video environment (Documentation of existing DVR's, camera's, video configurations, bandwidth needs, patches, etc.) System Assessment can be performed either through Remote or On-site involvement. A DV System Assessment will assist with outlining current issues within the DV environment with a complete write up with recommendations to correct any found issues or areas of concern.

\* = Recorders cover LNVR's, HVR's, DVR's

PES-DVA-DLT	OnGuard Digital Video Assessment (Audit) Survey 0-10 recorders *
PES-DVA-CFQ	OnGuard Digital Video Assessment (Audit) Survey 10 more recorders *

## NEC Deployment Service

PES-NEC-LAN-WAN	Pre-planning; remote NEC ExpressCluster LAN or WAN Deployment and Post Project Support per Cluster. Remote connection to site required for deployment. (Add PES-00X for OnSite Deployment.)
PES-NEC-PLANNING	Remote Pre-Planning session for LAN or WAN Systems.

## NEC Upgrade Service

Description of Service: Lenel Professional services will assist the VAR with planning an NEC upgrade to a current version of the NEC ExpressCluster solution. An NEC ExpressCluster upgrade plan must be purchased separately prior to PES engagement.

PES-NEC-UPG	PES onsite or remote assistance with an NEC ExpressCluster upgrade. *Requires the purchase of a separate NEC Support Plan.
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## NEC Inspection and Certification

Description of Service: Lenel Professional services offer a comprehensive test of all system functionality prior to deployment of a system in a production environment. A default acceptance test of the basic OnGuard system is provided with this service. Certification includes verification of cluster configurations (IP addressing, drive settings, resource allocation) to manufacture's specifications. Script review and full functional testing followed by an assessment outlining any concerns in regard to system findings with recommendations to resolve. On-Site involvements will incur additional charges related to travel expenses.

\*\* Additional support options are available through Lenel Professional Services (listed below).

PES-NEC-INS	NEC Inspection and Certification - 1 Cluster
PES-NEC-INS-CFQ	NEC Inspection and Certification - 2 or more Clusters

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## Professional Services: Level 3 Services

### Video Services Assessment

Description of Service: Lenel PES offers services to migrate your OnGuard database platform from Oracle to SQL platform. This service includes in house migration testing based on a backup of the database for testing purposes. Lenel will conduct the test conversion in-house and provide the end user with a production project plan to include timelines based on test results. At point of deployment PES can perform the conversion either remotely or onsite.

\*\*An Oracle DBA must be available onsite at point of migration

PES-CON-ORA                      Database Conversion - Oracle to SQL

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### OnGuard Migration

Description of Service: Lenel PES offers a service to migrate your standalone systems into a multi-Region Enterprise system. PES will assist with outlining specific considerations for migrating one or more standalone systems into a distributed Enterprise system. Database backups will need to be sent to Lenel to perform migration testing. A project plan will be created for review based on testing results.

PES-MIG-1DP                      OnGuard Migration - OnGuard PES ES/ADV/PRO Standalone to OG Enterprise.

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### Facility Commander WnX Upgrades

Description of Service: LenelS2 PES offers services to assist our VARs with migrating their Diamond, Diamond II, Sapphire, Secure Perfect v3.1 through 6.1.1, FCWnX 7.6 or earlier PRO, Enterprise or Global systems to FCWnX 7.7.

PES-DII-FCWnX                      SecurePerfect v3-v6, Diamond II v. 2.3 or older versions of FCWnX upgrade to the current version of FCWnX. Database is submitted to PES for upgrade.

PES-LGCY-FCWnX                      Sapphire Pro or Diamond I Upgrade to current version of FCWnX. Database is submitted to PES for upgrade.

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## Facility Commander Wnx to OnGuard Migration

Description of Service: LenelS2 PES offers services to assist our VARs with migrating their legacy Diamond, Diamond II, Sapphire, Secure Perfect v3.1 through 6.1.1, FCWnx Pro or Enterprise systems into OnGuard 32/ES, ADV, or PRO systems. Please note:

\*\* A completed Migration Worksheet and P.O. for services must be submitted prior to scheduling \*\*

For FCWnx global systems please contact the Australia customer service team at firesecuritycs@carrier.com

PES-FC20G-CDHB	Cardholder and hardware(where applicable) conversion to OnGuard ES/ADV/PRO from FCWnx 7.7.
PES-FC20G-LEGACY	Cardholder and hardware(where applicable) conversion to OnGuard ES/ADV/PRO from Diamond, Diamond II, Sapphire, Secure Perfect, or FC 7.6 or earlier.
PES-FC20G-MERGE	Database merge then cardholder and hardware(where applicable) conversion to OnGuard ES/ADV/PRO from FCWnX 7.7.

## Picture Perfect to OnGuard Migration

Description of Service: LenelS2's Professional Engineering Services (PES) team provides customers with a series of tools and services to ensure a smooth transition from Picture Perfect to OnGuard. Picture Perfect systems are typically larger systems, most are complex, and have a large geographic footprint. Therefore, PES services are required when migrating a Picture Perfect customer to OnGuard. The services are defined in 3 phases. Phase 1 is offered free of charge. Phase 2 and 3 are priced according to system size. To begin the process and request a Migration Worksheet please contact firesecuritycs@carrier.com

### PREREQUISITE NOTE:

Four (4) items are required before scheduling PES services for Phase 2 and 3 :

- 1) A completed Migration Worksheet
- 2) A PP database backup from the customer and review of data after the prequalification tools are run
- 3) Approval to proceed from the customer's assigned PES Project Manager
- 4) A Purchase Order for services submitted by the VAR

PES-PP20G-MRK	PP20G Migration Readiness Kit.
PES-PP20G-PTK-SM	PP20G Planning and Testing Services for PP systems with 512 readers or less.
PES-PP20G-PTK-LG	PP20G Planning and Testing Services for PP systems with over 512 readers.
PES-PP20G-MDK-SM	PP20G Migration Deployment Services for PP systems with 512 readers or less.
PES-PP20G-MDK-LG	PP20G Migration Deployment Services for PP systems with over 512 readers.

## OnGuard Hardening

Description of Service: LenelS2 Professional Services understand the criticality of protecting your systems and data. We are available to help our VARs and End Users understand and apply the guidelines outlined in OnGuard's Hardening Guide. Both remote and onsite hardening support is available.

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PES-HRB-CFQ	PES will apply application level hardening has outlined in the hardening guide to application servers.
PES-HRA-CFQ	PES assistance with implementing advanced level hardening.

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## Program Management

Description of Service: LenelS2 Professional Services is now offering Program Management for customers who need multiple Advanced Services projects over a 6-12 month period. A dedicated Project Manager is assigned as the primary point of contact. Projects are planned and executed using our project management collaboration system. Advanced Services team members are leveraged by the Project Manager to provide remote and onsite.

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PES-PRM-CFQ	Program Management with a dedicate Project Manager
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## Remote Managed Services (RMS)

The Lenel Remote Managed Services (RMS) organisation is pleased to offer this preventive maintenance and diagnostic service designed to assist our OnGuard Value Added Reseller's (VAR's) in their efforts of keeping their OnGuard System Users' Total Security System running at peak performance.

In many cases, the required maintenance for these systems is left to the security department or the System User's IT organisation. Lack of qualified staff and/or available resources within these groups often leads to the unintentional abandonment of the required maintenance procedures of these mission critical systems.

For these programs to be effective, the OnGuard System User must select the required services by their respective system, establish a schedule with the Lenel staff in Rochester and allow remote connection session into the OnGuard servers where these procedures will be run.

In addition to maximising the performance of the OnGuard system, there is the benefit of expedited support from the Remote Managed Services Group. In many instances, if a problem is discovered during the maintenance sessions, it can often be addressed when it is small and correctable. This eliminates the need to take the system into maintenance mode that would require a temporary shutdown of services, thereby increasing your system's uptime. Added costs associated with deploying security personnel during maintenance downtime can also potentially be reduced as a result of this program.

For more information and quoting please contact the Australia team at [firesecuritycs@carrier.com](mailto:firesecuritycs@carrier.com).

### Program Management

RMS-RSH-H-EMR	Technical Advisement forum.
RMS-BASE-CARE	Preventive Maintenance with RMS RealTime Level 1 Protection.
RMS-SMART-CARE	Preventive Maintenance with RMS RealTime Level 2 Protection.
RMS-TOTAL-CARE	Preventive Maintenance with RMS RealTime Level 3 Protection.
RMS-RSH-H-RDOE	Redundant Server add-on option for Server Maintenance and Reporting Service (per server pair).
RMS-RSH-D-P	Custom Requested Services (Remote upgrade and system assessment) Enterprise Master Server.
RMS-RSH-H-EMOE	Preventive Maintenance Service (Call for Quote).
RMS-RSH-H-RSOE	Regional Server Preventive Maintenance Service (Call for Quote).
RMS-RSH-H-PSOE	PRO/I Single Server Preventive Maintenance Service (Call for Quote).

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## Embedded Services (ES)

### ES Annual Service Offerings

ES-TPE-A	Dedicated Site Resource- Annual
ES-TPE-00X	Dedicated Site Resource Travel





Contact a member of the Australia team on:

Phone: 1800 361 479

Phone: +61 3 9239 1200 (outside Australia)

Email: [firesecuritycs@carrier.com](mailto:firesecuritycs@carrier.com)



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