# OnGuard® PRO System

OnGuard PRO Server

Recommended Specifications, Configuration 5G	
Chassis Type	Dell® PowerEdge® R740 (2U Rackmount)
CPU	Intel® Xeon® Silver 4208 2.1GB, 8C/16T, 9.6GT/s, 11M Cache, Turbo, HT (85W), DDR4-2400
Operating System	Microsoft® Windows Server® 2019 Standard,16 CORE, FI, No Med, No CAL
RAM	16GB (2) x 8GB RDIMM, 3200MT/s, Single Rank
Onboard NICs	BROADCOM® 5720 QP 1GB Network Daughter Card
Optical Drive	DVD+/-RW, Serial ATA, Internal
Backplane	1 x 8 Backplane for 2.5-inch Hard Drives
RAID Controller	PERC H740P Integrated RAID Controller, 8GB NV Cache
Operating System Drive(s)	(2) M.2 240GB OS Drives (RAID 1)
Data Drive(s)	(5) x 300GB 15K RPM SAS 12Gbps 512n 2.5in Hot-plug Hard Drive (RAID 5)
Hard-disk Backup Drive	RD1000 500GB Native/1TB Comp; Removable Ext USB 3.0 Drive Bundled with SW/CBL
RISER	Riser Config 1, 4 x 8 slots
Serial Port	(1) Serial Port
USB Ports	Front: (1) USB 3.0, (2) USB 2.0, (1) Dedicated iDRAC direct USB, (1) Video; Rear: (2) USB 3.0, (1) Serial, (1) Dedicated iDRAC network port, (1) Video
Power	Dual, Hot-plug, Redundant Power Supply (1+1), 750W
Rail Kit	Sliding Ready Rails with Cable Management Arm
Warranty	3-year limited warranty

Scalability Path
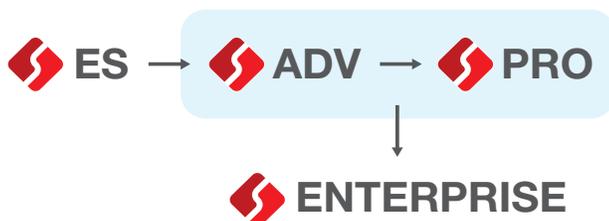
Standard Features

- First year Software Upgrade and Support Plan (SUSP) included
- Browser-based LenelS2™ Console application dashboard
- Browser-based OnGuard Users client for system administration
- Alarm Monitoring
- MapDesigner
- System Administration
- VideoViewer (video only, web)
- CCTV interface
- eMail interface
- Event logging
- Anti-Passback
- Guard tour
- Support for BlueDiamond™ mobile credentials

Browser-Based Applications

- Monitor & Credentials bundle
- Access Manager
- Surveillance
- Reports & Dashboards
- Users
- Visitor
- WATCH (Web Access Trending & Comprehensive Health)
- Cardholder Self Service
- Policies

Software (Optional)

- Visitor Self Service
- Area Access Manager
- DataConduIT™
- ID CredentialCenter
- Visitor IDVM
- Data Exchange
- FormsDesigner
- Biometrics / Smart Cards
- Fire panel support
- Intrusion panel support
- Business card / Driver's license / Military ID / Passport scanning
- Elevator integration
- Intercom
- Mustering
- Terminal services support
- Database segmentation
- Redundant Server Licensing

Carrier

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OnGuard PRO Client

OnGuard PRO systems support an unlimited number of thick client workstations, and an unlimited number of OnGuard® Monitor & Credentials client bundles.

Recommended Specifications	Configuration 6K	Configuration 7H High Performance
Chassis Type	Dell OptiPlex™ 3080 Small Form Factor	Dell Precision™ XL Tower 5820 XCTO Base
CPU	Intel® Core™ i3-10100 Processor (4 CORE, 6MB, 8T, 3.6-4.3GHz, 65W)	Intel® Xeon® Processor W-2135 3.7GHz Turbo (6C, 8.25MB Cache, HT, (140W), DDR4-2666)
Operating System	Windows® 10 IoT Enterprise EMB	Windows® 10 IoT Enterprise EMB
RAM	8GB (1 x 8GB) DDR4 Non-ECC Memory	16GB (2 x 8GB) 2666MHz, DDR4 RDIMM ECC
Onboard NICs	RJ45 Ethernet port	RJ45 Ethernet port
Wireless NIC	-	-
Modem	-	-
Optical Drive	8x DVD+/-RW 9.5mm Optical Disk Drive	16x Half Height DVD-/+RW
Operating System Drive(s)	500GB 2.5inch Serial ATA (7,200 Rpm) Hard Drive	512GB 2.5inch Serial ATA Class 20 Hard Drive/Solid State Drive. Integrated Intel AHCI SATA chipset controller (8 x 6.0Gb/s), SW RAID 0, 1, 5, 10
Video Graphics Card	Intel Integrated Graphics, Dell OptiPlex, DisplayPort to DVI Single-Link	NVIDIA® Quadro® P5000, 16GB, 4 DP, DL-DVI-D (5820T)
Serial Port	-	(1) Serial Port
USB Ports	External: (8) USB Ports including (4) USB 3.2 Gen 1 Type-A Ports (2 front/2 rear) and (4) USB 2.0 Ports (2 front/2 rear); Internal: (1) RJ45, (1) DisplayPort; (1) HDMI; (1) Universal Audio Jack; (1) Line-out	Front : (2) USB 3.1 Type C, (2) USB 3.2 Gen 1 Type A, (1) Universal Headphone Jack. Internal: (1) USB 2.0, (1) 2x5 USB 2.0 header (requires third-party splitter cable to support 2 x USB 2.0 Type A ports), (8) SATA 6Gb/s. Rear: (6) USB 3.2 Gen 1 Type A, (2) PS2, (1) RJ45 Network, (1) Serial, (1) Audio Line out, (1) Audio Line in/Microphone
Audio	Internal speaker	Internal chassis speakers
Power	OptiPlex 3080 Small Form Factor with 200W up to 85% efficient power supply (80 Plus™ Bronze)	950W
Mouse/Keyboard	Wired Mouse, Black; Wired Multi-Media Keyboard English, Black	Wired Mouse, Black; Wired Multi-Media Keyboard English, Black
Hardware Warranty	3-year limited warranty	3-year limited warranty
Surge Suppressor	Yes	Yes

System Capacities

Category	Standard Licensing	Expansion Capability
Cardholders	Unlimited*	Unlimited*
Card Readers	128	Unlimited*
Thick Client Workstations	1	Unlimited*
Browser-based Monitor & Credential Bundles	1	Unlimited*
Holidays / Time Zones	255 (per segment, each)	255 (per segment, each)
Alarm Inputs / Outputs	Unlimited*	Unlimited*
Access Levels	32,000 per segment	32,000 per segment
ILS Locks - 1024	-	Unlimited*

*OnGuard offers scalability that is only limited by the physical limitations of your system size.

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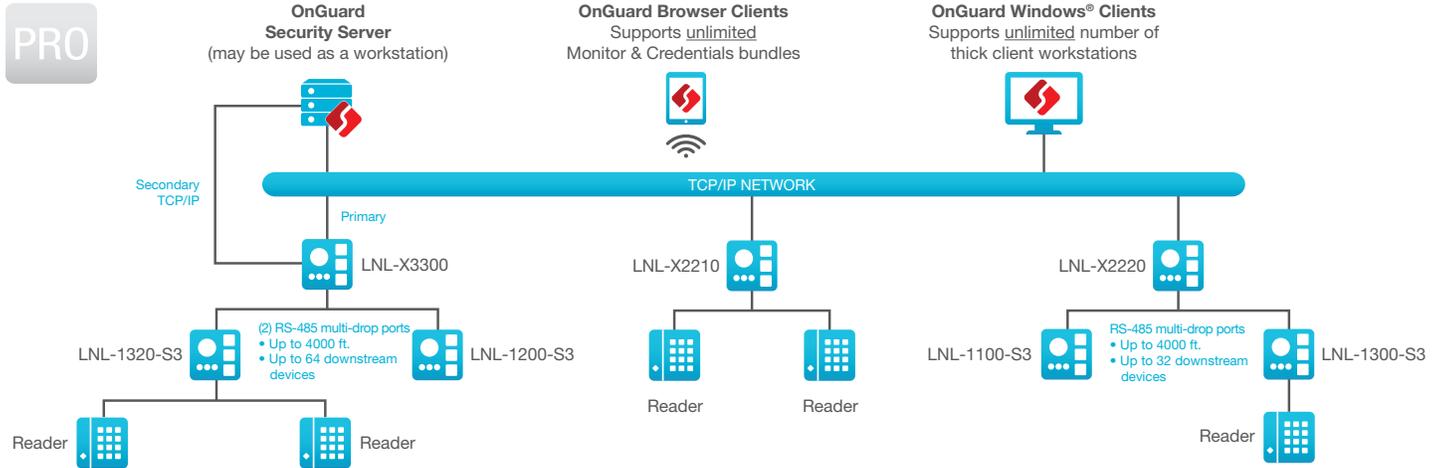
UL-Listed Enclosures and Power Supplies

LNL-CTX	Enclosure with lock and tamper switch, supports up to two (2) field hardware devices (12" x 16" x 4.5")
LNL-CTX-6	Enclosure with lock and tamper switch, supports up to six (6) field hardware devices (18" x 24" x 4.5")
LNL-AL400ULX	12VDC 4A output, 120VAC (1.6 amps) input, continuous supply current with enclosure (18" x 24" x 4.5"), lock/tamper switch, UPS capable (battery optional)
LNL-AL600ULX-4CB6	12VDC 6A output, 120VAC (1.6 amps) input, continuous supply current with enclosure (12" x 16" x 4.5"), power distribution module, lock and tamper switch, UPS capable (battery optional)

Peripheral Hardware

Direct Card Printer Support
OnGuard® supports the following printer brands: Zebra®, MAGICARD®, NISCA®, and Fargo®. Specific models support inline iCLASS®, MIFARE®, and magnetic stripe encoding.

LenelS2 USB Image Capture Kit
Included is a high resolution CCD (NTSC or PAL) camera with software zoom capabilities, a fully-synchronized cool white built-in flash, a tripod system with a powered base, TWAIN-compliant software, a USB communication cable and a universal power cable. The camera is USB 2.0-compliant, producing high resolution live video for image capture using the OnGuard ID CredentialCenter application (any badging client or mobile badging station). The built-in flash illuminates both video fields evenly.