

## ES System

### ES Server

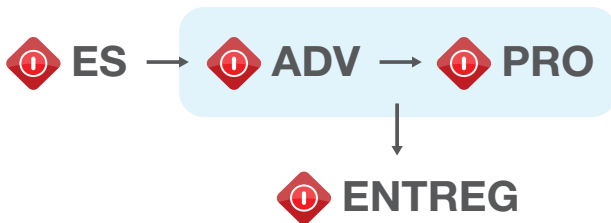
#### Recommended Specifications, Configuration 3c

Chassis Type	Dell Precision T3610 Mid-Tower
CPU	Intel® Xeon® E5-1607 v2, Quad Core, 3.0GHz Turbo, 10MB
Operating System	Windows 7 Professional 64-bit (includes Windows 8.1 License)
RAM	8GB (4 x 2GB) 1600MHz, DDR3 Non-ECC
Onboard NICs	RJ45 Ethernet port
Optical Drive	8X DVD+/-RW
Operating System Drive(s)	500GB 3.5inch Serial ATA (7.200 Rpm) Hard Drive
Video Graphics Card	1 GB NVIDIA® Quadro® K600 (1DP & 1DVI-I) (1DP-DVI & 1DVI-VGA adapter)
Serial Port	(1) Serial Port
USB Ports	(6) USB 2.0 ports, (4) USB 3.0 ports
Audio	Internal chassis speakers
Power	635W
Mouse/Keyboard	yes
Warranty	3-year limited warranty

Optional rack mount Configuration 4a available.

### Scalability Path

Customers utilizing an ADV or PRO system should contact Global Sales Support for an upgrade quote.



### FEATURES (STANDARD)

- Alarm monitoring
- Chromakey/Ghosting (ID only)
- First year telephone & software support
- IntelligentAudio™ (forensic)
- MapDesigner™
- System administration
- VideoViewer™ (video only, web)
- CCTV interface
- E-mail interface
- Event logging
- Anti-Passback
- Guard tour



### APPLICATIONS (UPGRADE)

- Area Access Manager™ (web)
- DataConduIT™
- ID CredentialCenter™
- VideoManager™
- Visitor™
- DataExchange™
- FormsDesigner™

### SOFTWARE (UPGRADE)

- Biometrics/Smart Cards™
- Fire & Intrusion™
- Barco video wall integration
- Business card / Driver's license / Military ID / Passport scanning
- Elevator integration
- Intercom
- Intelligent video (live)
- Mustering
- OPC Server / Client
- Paging
- VideoVerification™
- Terminal services support
- Database segmentation

## ES Client

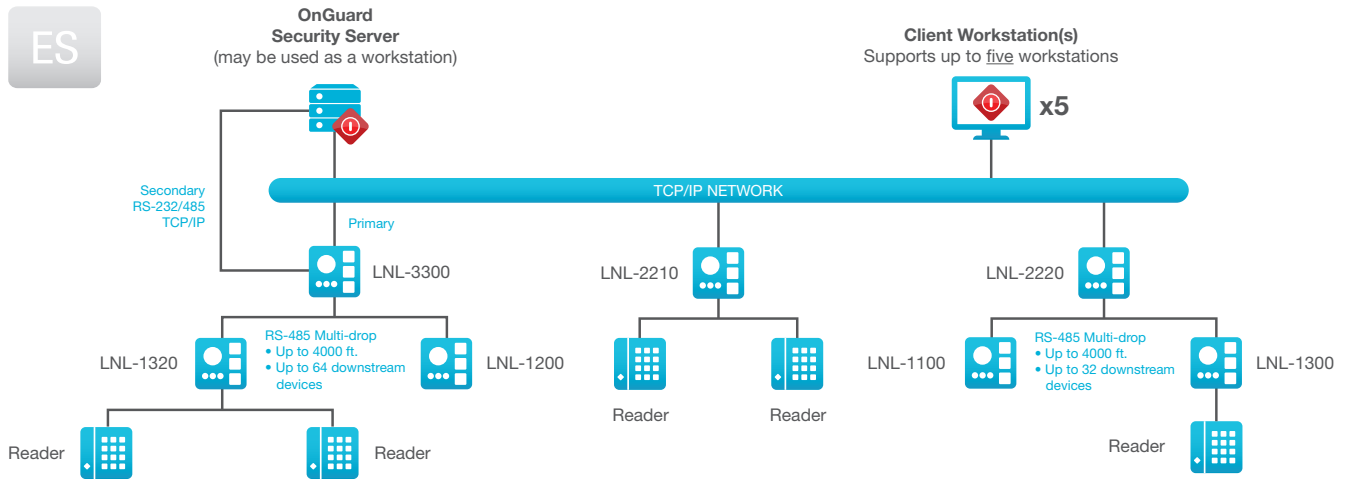
ES systems support up to a maximum of five (5) client workstations

Recommended Specifications	Configuration 6d	Configuration 7d High Performance
Chassis Type	Dell OptiPlex 3020 Small Form Factor	Dell Precision T3610 Mid-Tower
CPU	Intel Core i3-4130 Processor (Dual Core, 3MB Cache, 3.40 GHz)	Intel® Xeon® Processor E5-1620 v2, Quad Core HT, 3.7 GHz Turbo, 10 MB
Operating System	Windows 7 Professional 64-bit	Windows 7 Professional 64-bit (includes Windows 8.1 License)
RAM	4GB - NON-ECC - 1600MHz -DDR3 [1 DIMM]	8GB (4 x 2GB) 1600MHz, DDR3 Non-ECC
Onboard NICs	RJ45 Ethernet port	RJ45 Ethernet port
Wireless NIC	-	-
Modem	-	-
Optical Drive	8x Slimline DVD+/-RW	8X DVD+/-RW
Operating System Drive(s)	500GB 3.5inch Serial ATA (7,200 Rpm) Hard Drive	256GB 2.5inch Serial ATA Solid State Drive
Video Graphics Card	1GB AMD RADEON™ HD 8490 -Dual MON (1 DP & 1 DVI)	4 GB AMD FirePro™ W7000 (4DP) (4DP-DVI adapter)
Serial Port	-	(1) Serial Port
USB Ports	(6) USB 2.0 ports, (2) USB 3.0 ports	(6) USB 2.0 ports, (4) USB 3.0 ports
Audio	Internal chassis speakers	Internal chassis speakers
Power	265W	635W
Mouse/Keyboard	yes	yes
Warranty	3-year limited warranty [DOES NOT INCLUDE MONITOR]	3-year limited warranty
Surge Suppressor	yes	yes

## System Capacities

Category	Standard Licensing	Expansion Capability
Recommended # of Cardholders (max)	Unlimited*	Unlimited*
Card Readers	32	64
Client Workstations	1	5
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
Access Levels per Card	128	128
ILS Locks	-	128
SQL Express	yes	-

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



## Peripheral Hardware and Readers

### 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.

### Lenel 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.

## Enclosures and Power Supplies

### 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")

## lenel.com/OnGuard

(866) 788-5095

Specifications subject to change without notice.

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**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)

## Upgrade Part Number

Client Upgrade	Part #	Path
	UPC-32ADV	32ES to ADV
	UPC-3264I	32ESI to ADVI
	UPC-IDESIDADV	IDES to IDADV

Server Upgrade	Part #	Path
	UPS-3264	SWS-32ES to SWS-ADV *
	UPS-3264I	SWS-32ESI to SWS-ADVI *

\*Automatically increases reader count

