

# ES System

## ES Server

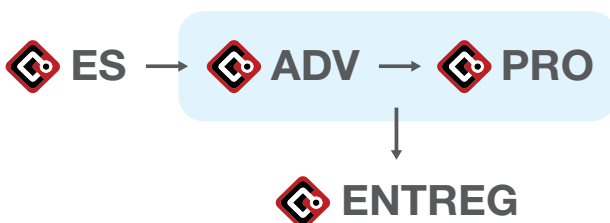
### Recommended Specifications, Configuration 3E

Chassis Type	Dell Precision Mid Tower 5810
CPU	Intel® Xeon® E5-1607 v4 Quad Core, 3.1GHz, 10MB Cache
Operating System	Windows® 10 IoT EMB Ent 2015
RAM	8GB (2 x 4GB) 2400MHz DDR4 RDIMM ECC
Onboard NICs	RJ45 Ethernet port
Optical Drive	8X Slimline DVD+/-RW Drive
Operating System Drive(s)	500GB 3.5inch Serial ATA (7,200 Rpm) Hard Drive Fixed. Integrated Intel AHCI chipset SATA controller (6 x6.0Gb/s)
Video Graphics Card	Nvidia® Quadro® K620 2GB (DP, DL-DVI) (1 DP to SL-DVI adapter)
Serial Port	(1) Serial Port
Ports	Front: (3) USB 2.0, (1) USB 3.0, (1) Microphone, (1) Headphone; Internal: (3) USB 2.0, (4) SATA 6GB/s, (2) SATA 6GB/s (for optical drive(s)); Rear: (3) USB 2.0, (3) USB 3.0, (2) PS2, (1) RJ45 (Intel Gigabit Ethernet)
Audio	Integrated: Realtek ALC3220 High Definition Audio
Power	685W
Mouse/Keyboard	Yes
Warranty	3-year limited warranty

Optional rack mount Configuration 4F available.

## Scalability Path

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



## Standard Features

- First year Software Upgrade and Support Plan (SUSP) included
- Browser-based Lenel Console application dashboard
- Alarm monitoring
- Chromakey/Ghosting (ID only)
- MapDesigner
- System administration
- VideoViewer (video only, web)
- CCTV interface
- E-mail interface
- Event logging
- Anti-Passback
- Guard tour



## Applications (Optional)

- Browser-based clients
- Area Access Manager
- OpenAccess Web Services API
- DataConduIT
- ID CredentialCenter
- VideoManager
- Visitor
- DataExchange
- FormsDesigner
- Support for OnGuard® modules (see separate datasheet)

## Software (Optional)

- 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
- VideoVerification
- Terminal services support

# ES System

## ES Client

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

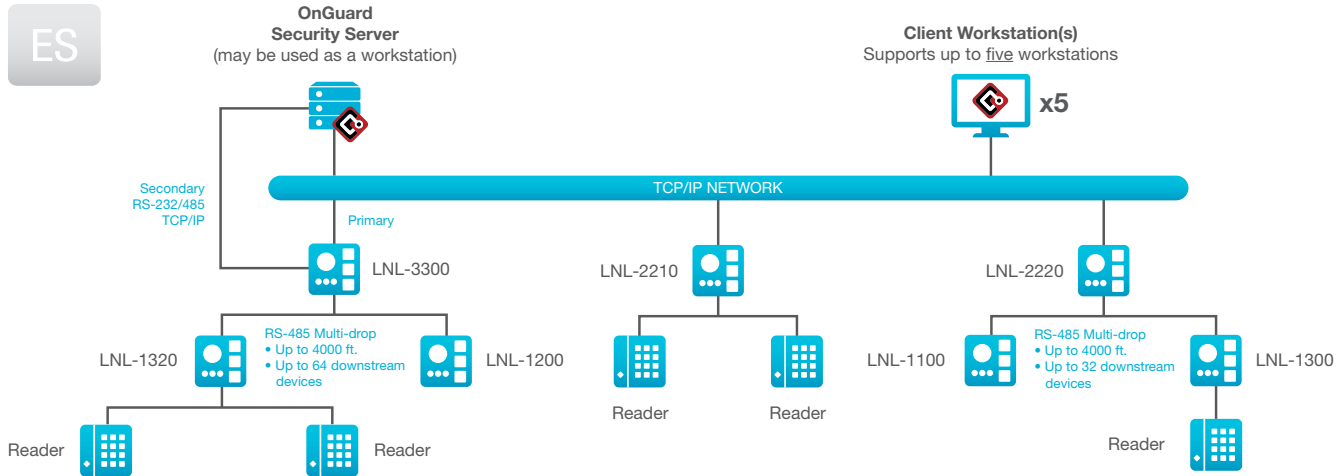
Recommended Specifications	Configuration 6H	Configuration 7F High Performance
Chassis Type	Dell OptiPlex 3050 Small Form Factor	Dell Precision Tower 5810 XCTO
CPU	Intel® Core i3-6100 Processor (Dual Core, 3MB Cache, 4T, 3.7GHz, 65W)	Intel® Xeon® Processor E5-1620 v4 (4C, 3.5GHz, 3.8GHz Turbo, 2400MHz, 10MB Cache, 140W)
Operating System	Windows® 10 IoT EMB Ent 2015	Windows 10 IoT EMB Ent 2015
RAM	4GB (1 x 4GB) 2400MHz DDR4 Memory	8GB (2 x 4GB) 2400MHz DDR4 RDIMM ECC
Onboard NICs	RJ45 Ethernet port	RJ45 Ethernet port
Wireless NIC	-	-
Modem	-	-
Optical Drive	DVD+/-RW Bezel, Small Form Factor. DVD-RW Drive (Reads and Writes to DVD/CD)	8X DVD+/-RW
Operating System Drive(s)	500GB 2.5inch Serial ATA (7,200 Rpm) Hard Drive	512GB 2.5inch SATA Class 30 Solid State Drive
Video Graphics Card	AMD Radeon™ R5 430 (2GB DP/DVI-I)	AMD FirePro™ W7100 8GB (4-DP) (3 DP to SL-DVI Adapters)
Serial Port	-	(1) Serial Port
Ports	(6) External USB 3.1 Gen 1 (2 front/2 rear) and (2) x 2.0 (2 rear), (1) RJ45, Display Port 1.21, HDMI 1.41, Universal Audio Jack1 Line-out	Front: (3) USB 2.0, (1) USB 3.0, (1) Microphone, (1) Head- phone; Internal: (3) USB 2.0, (4) SATA 6GB/s, (2) SATA 6GB/s (for optical drive(s)); Rear: (3) USB 2.0, (3) USB 3.0, (2) PS2, (1) RJ45 (Intel Gigabit Ethernet)
Audio	Internal chassis speakers	Internal chassis speakers
Power	240W	685W
Mouse/Keyboard	Yes	Yes
Warranty	3-year limited warranty	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	32,000
ILS Locks	-	128

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

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## 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")

**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



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Specifications subject to change without notice.

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