

Enterprise System

ENTMAS or ENTMAS-LT Server

Recommended Specifications, Configuration 5a	
Chassis Type	Dell PowerEdge R720 (2U Rack mount)
CPU	Intel Xeon E5-2603 1.80GHz, 10MB L3 Cache
Operating System	Windows Server 2008 R2 Standard SP1, Includes 5 CALSs
RAM	8GB (2 x 4GB) 1333MHz Dual-Ranked RDIMMs
Onboard NICs	Broadcom 5720 QP 1Gb Network Daughter Card
Optical Drive	8x DVD+/-RW
Backplane	1 x 8 Backplane for 2.5-inch Hard Drives
RAID Controller	PERC H710 Integrated RAID Controller, 512MB
Operating System Drive(s)	2 x 146GB 15K RPM Serial-Attach SCSI 6Gbps 2.5in Hotplug Hard Drive (RAID1)
Data Drive(s)	3 x 146GB 15K RPM Serial-Attach SCSI 6Gbps 2.5in Hotplug Hard Drive (RAID5)
Hard-disk Backup Drive	RD1000 Disc-Based Backup Drive w/ 320GB/640GB Removable Hard Drive Cartridge
RISER	Risers with up to 6, x8 PCIe Slots + 1, x16 PCIe Slot
Video Graphics Card	Onboard Intel® HD Graphics 4500
Serial Port	(1) Serial Port
USB Ports	(4) USB 2.0 ports
Power	Dual, Hot-plug, Redundant Power Supply (1+1), 750W
Rail Kit	Sliding Ready Rails with Cable Management Arm
Warranty	3-year limited warranty

Regional Servers

SWS-ENTREG1 uses Configuration 5a

SWS-ENTREG-LT uses Configuration 5a

SWS-ENTREG-SM uses Configuration 3 or 4

Redundancy Options

NEC Express5800/R320a Fault Tolerant Server

NEC ExpressCluster X R3 (LAN or WAN) Disaster Recovery Software

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

Enterprise Client

See chart below for client support.

Recommended Specifications	Configuration 6c	Configuration 7a High Performance	Configuration 8a Laptop Mobile Badging Station
Chassis Type	Dell OptiPlex 3010 Small Form Factor	Dell Precision T3600 Minitower	Dell Latitude E5520, 15.6" HD (1366x768) Anti-glare LED-backlit
CPU	Intel Core i3 2120 Processor (3.3GHz, 3MB L3 cache)	Intel Xeon E5-1620 Quadcore, 3.6GHz, 10MB L3 Cache	Intel® Core™ i5-2520M (2.50GHz, 3MB L3cache)
Operating System	Windows 7 Professional 64-bit	Windows 7 Professional 64-bit	Windows 7 Professional 64-bit
RAM	4GB DDR3 Non-ECC SDRAM, 1600MHz, (1 DIMM)	8GB (4 x 2GB) 1600MHz, DDR3 Non-ECC UDIMM Memory (4 DIMMs)	4GB (2 x 2GB), DDR3-1333MHz SDRAM
Onboard NICs	RJ45 Ethernet port	RJ45 Ethernet port	RJ45 Ethernet port
Wireless NIC	-	-	Dell Wireless™ 1501 802.11b/g/n Half Mini Card
Modem	-	-	Internal 56K modem
Optical Drive	8x Slimline DVD+/-RW	8X DVD+/-RW	8X DVD w/Cyberlink Power DVD™
Operating System Drive(s)	250GB SATA II 3.0Gb/s, 8MB Cache, 7200 rpm hard drive	256GB SSD 2.5" SATA3	250GB SATA II 3.0Gb/s, 8MB Cache, 7200 rpm hard drive
Video Graphics Card	1GB AMD RADEON HD 7570, LP w/VGA	2.0GB AMD FirePro™ V7900, Four Monitor, 4 DP	Onboard Intel® HD Graphics 3000
Serial Port	-	(1) Serial Port	-
USB Ports	(8) USB 2.0 ports	(8) USB 2.0 ports, (2) USB 3.0 ports	(4) USB 2.0 ports
Audio	Internal chassis speakers	Internal chassis speakers	Internal chassis speakers
Power	265W	635W	90W AC Adapter; 6-cell (60WH) Primary, Lithium Ion Battery
Mouse/Keyboard	yes	yes	-
Warranty	3-year limited warranty	3-year limited warranty	3-year limited warranty
Surge Suppressor	yes	yes	-
Warranty	3-year limited warranty	3-year limited warranty	3-year limited warranty

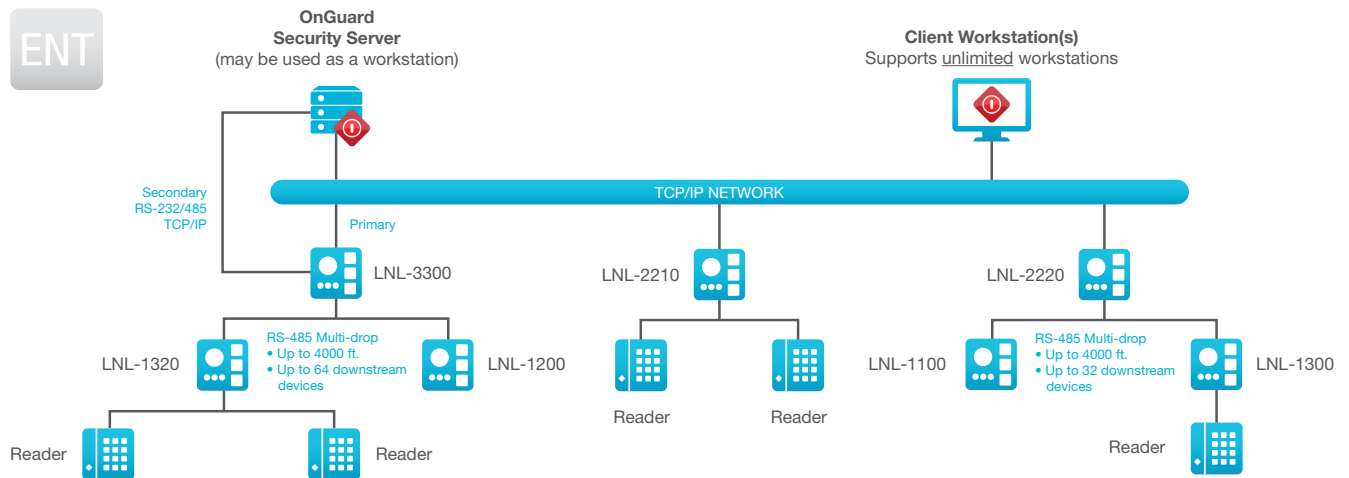
System Capacities

Type of System	MASTER		REGION		
	SWS-ENTMAS-LT	SWS-ENTMAS1	SWS-ENTREG-SM	SWS-ENTREG-LT	SWS-ENTREG1
Holidays / Time Zones	255 (per segment, each)	255 (per segment, each)	255 (per segment, each)	255 (per segment, each)	255 (per segment, each)
Alarm Inputs / Outputs	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
Access Levels	32,000 per segment	32,000 per segment	32,000 per segment	32,000 per segment	32,000 per segment
Access Levels per Card	128 per segment	128 per segment	128 per segment	128 per segment	128 per segment
MAX Number of Regions Allowed	8	10	N/A	N/A	N/A
Reader Capacity Base	64	128	16	64	128
MAX Reader Capacity Per System / Upgrade Part	512 [PRO-64RUP]	Unlimited [PRO-64RUP]	32 [REGSM-16RUP]	256 [64ADV-64RUP]	Unlimited [PRO-64RUP]
MAX Amt of Client Workstations	10	Unlimited	5	10	Unlimited

Type of System	SWS-ENTMAS-LT	SWS-ENTMAS1	SWS-ENTREG-SM	SWS-ENTREG-LT	SWS-ENTREG1
Type of Clients Allowed [clients start with SWC]	ADV, IDADV & ADVI	ADV, IDADV & ADVI	32ES & IDES& 32ESI	ADV, IDADV & ADVI	ADV, IDADV & ADVI
MAX Readers allowed per entire Enterprise System	512	Unlimited	N/A	N/A	N/A
Recommended # of Cardholders	50,000 (max)	Unlimited	25,000 (max)	50,000 (max)	Unlimited
MAX Number of ILS Locks Allowed Per System	Unlimited	Unlimited	128	1024	Unlimited
SQL 2008 Standard Edition & Enterprise Edition **	Yes	Yes	Yes	Yes	Yes
Oracle Support **	Yes [SWG-1295]	Yes [SWG-1295]	Yes [SWG-1293]	Yes [SWG-1293]	Yes [SWG-1293]
Support Windows Version **	Server 2008	Server 2008	7 & Server 2008	Server 2008	Server 2008
Redundant or Fault Tolerant Support and Part Number	SWS-ENTMAS-LT-REDU	SWS-ENTMAS1-REDU	SWS-ENTREG-SM-REDU	SWS-ENTREG-LT-REDU	SWS-ENTREG1-REDU
VM Ware Support **	Yes	Yes	Yes	Yes	Yes
Citrix Support [SWG-1370]	Yes	Yes	Yes	Yes	Yes
Database Segmentation Support [SWG-1240]	Standard	Standard	Standard	Standard	Standard
Base SUSP Part Number	SUSP-W-EN-LT	SUSP-W-ENT	SUSP-W-ENT-SM	SUSP-W-ENT-REG	SUSP-W-ENT-REG

MAX Readers allowed per entire Enterprise System - This is a System level MAX that includes the sum of all readers in the Enterprise. For example: Starting with an ENTMAS-LT master server with 2 ENTREG-LT regional servers = 192 readers (64 readers per server by default). Expand an additional 320 readers before having to upgrade to an ENTMAS1 with unlimited reader support.

** See compatibility chart for full list of Databases, Operating Systems and which VMWare versions are supported by OnGuard



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)

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Specifications subject to change without notice.

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Upgrade Part Number

Server Upgrade	Part #	Path
	UPS-SMREG	ENT Regional SM server to ENT Regional Lite Server
	UPS-LTREG1	ENT Regional Lite server to ENT Regional Server
	UPS-LTMAS1	ENT Master Lite Server to ENT Master Server

