DVTEL USS

The DVTEL USS Enterprise sets a new industry standard for internal storage servers, offering capacity of up to 48TB and a new level of performace for video surveillance applications of all types.

The Enterprise rack server is ideal for all types of businesses seeking a multi-purpose rack server that offers an excellent combination of internal storage, redundancy and value in a compact chassis.

This server is designed to meet the needs of IT environments and is available with system management capabilities, high availability and redundancy features.

DVTEL USS Enterprise Servers feature Enterprise Six-core Intel® Xeon® processors, Multi-NICs and hardware RAID. The front accessible hot-swappable hard drive storage and the back-accessible flex-bay ensures always-on recording and provides for future storage expandability. Enterprise-class hard drives ensure maximum reliability and outstanding performance.

Feature	Technical Specification	
	Storage-less Enterprise Servers	Internal Storage Enterprise Servers
Form Factor	1U rack	2U rack
Hard Drive Bay	4 hard drive chassis	12+2 hard drive chassis
Processor	Enterprise Six-core Intel® Xeon® E5-2400 product family	Enterprise Six-core Intel® Xeon® processor E5-2600 product family
Processor Sockets	1	2
Chipset	Intel C600	Intel C600
Memory	8GB RDIMM RAM (2X4GB).	
I/O Slots	2 PCIe slots	6 PCIe slots
RAID Controller	Hardware RAID controller with Flash Backed Cache	
Operating System	Microsoft Windows Server 2008 R2 SP1 Embedded	
Hard Drive Storage	No Storage Up to 192TB DAS Expansion Option	Enterprise class, Hot-swap HDDS (see model numbers). Max Internal Storage: 48TB Up to 192TB DAS Expansion Option
Communications	Embedded Dual Port 1Gb NIC	Embedded Quad Port 1Gb NIC
Systems Management	iDRAC7 Express	
Power Supply	Dual, Hot-plug, Redundant Power Supply, 495W, 100~240VAC 50/60Hz (auto)	
USB Peripherals	4 - USB 2.0 compliant	3 - USB 2.0 compliant
Rack Support	ReadyRails™ II sliding rails	
Dimensions	42.8 x 434.0 x 677.3 (mm)	87.3 x 440 x 684 (mm)
Weight	Max: 19.3 kg (42.55 lbs)	Max: 32.5 Kg (71.51 lbs)
Warranty	3-year ProSupport and Next Business Day On-site Service	
Certifications	Nemko, CE, FCC, C-Tick, ICES, VCCI, CCC	

Features:

- Enterprise Six-core Intel® Xeon® processor
- OS installation and optimization for Latitude
- Flex-bay for hot swappable OS hard drives
- Server + Storage
- Designed for Rack space efficiency
- Up to 48TB of internal hard drive storage
- Up to 192TB DAS option
- Server-class hardware
- Hot-swappable hard drives
- High efficiency server runs cool
- Multi-port NIC

Benefits:

- Reduces unit count, installation time and Total Cost of Ownership (TCO)
- Reduces installation time with more consistent installs
- Delivers optimal performance and reliability without need for extra cooling
- Ease of use for technicians and easier problem solving
- Redundancy and ability to connect to multi switches in parallel
- Best-in-class for performance in processing
- Reliability and Peace of Mind
- Ease-of-expansion and maintenance

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Model Numbers:

Model	Storage	Model	Storage
USS Enterprise Storageless Server, RAID-1 (OS)			
USS-ENT-00N0-00	*None*		
USS Enterprise, Raid-5			
USS-ENT-06R5-04	6TB raw (4TB usable)	USS-ENT-24R5-20	24TB raw (20TB usable)
USS-ENT-09R5-06	9TB raw (6TB usable)	USS-ENT-24R5-22	24TB raw (22TB usable)
USS-ENT-12R5-09	12TB raw (9TB usable)	USS-ENT-28R5-24	28TB raw (24TB usable)
USS-ENT-12R5-08	12TB raw (8TB usable)	USS-ENT-32R5-28	32TB raw (28TB usable)
USS-ENT-12R5-10	12TB raw (10TB usable)	USS-ENT-36R5-32	36TB raw (32TB usable)
USS-ENT-16R5-12	16TB raw (12TB usable)	USS-ENT-36R5-33	36TB raw (33TB usable)
USS-ENT-16R5-14	16TB raw (14TB usable)	USS-ENT-40R5-36	40TB raw (36TB usable)
USS-ENT-20R5-16	20TB raw (16TB usable)	USS-ENT-44R5-40	44TB raw (40TB usable)
USS-ENT-20R5-18	20TB raw (18TB usable)	USS-ENT-48R5-44	48TB raw (44TB usable)
USS Enterprise, Raid-5 with Hot Spare			
USS-ENT-08H5-04	8TB raw (4TB usable)	USS-ENT-24H5-20	24TB raw (20TB usable)
USS-ENT-10H5-06	10TB raw (6TB usable)	USS-ENT-27H5-21	27TB raw (21TB usable)
USS-ENT-12H5-08	12TB raw (8TB usable)	USS-ENT-32H5-24	32TB raw (24TB usable)
USS-ENT-14H5-10	14TB raw (10TB usable)	USS-ENT-36H5-28	36TB raw (28TB usable)
USS-ENT-16H5-12	16TB raw (12TB usable)	USS-ENT-36H5-30	36TB raw (30TB usable)
USS-ENT-18H5-14	18TB raw (14TB usable)	USS-ENT-40H5-32	40TB raw (32TB usable)
USS-ENT-20H5-16	20TB raw (16TB usable)	USS-ENT-44H5-36	44TB raw (36TB usable)
USS-ENT-22H5-18	22TB raw (18TB usable)	USS-ENT-48H5-40	48TB raw (40TB usable)
USS Enterprise, Raid-6			
USS-ENT-08R6-04	8TB raw (4TB usable)	USS-ENT-24R6-20	24TB raw (20TB usable)
USS-ENT-10R6-06	10TB raw (6TB usable)	USS-ENT-27R6-21	27TB raw (21TB usable)
USS-ENT-12R6-08	12TB raw (8TB usable)	USS-ENT-32R6-24	32TB raw (24TB usable)
USS-ENT-14R6-10	14TB raw (10TB usable)	USS-ENT-36R6-28	36TB raw (28TB usable)
USS-ENT-16R6-12	16TB raw (12TB usable)	USS-ENT-36R6-30	36TB raw (30TB usable)
USS-ENT-18R6-14	18TB raw (14TB usable)	USS-ENT-40R6-32	40TB raw (32TB usable)
USS-ENT-20R6-16	20TB raw (16TB usable)	USS-ENT-44R6-36	44TB raw (36TB usable)
USS-ENT-22R6-18	22TB raw (18TB usable)	USS-ENT-48R6-40	48TB raw (40TB usable)

(TB) = Terabytes

Performance:

USS Enterprise RAID 5, RAID 5+HS, RAID 6*	Setup	Max # of Cameras	Max Throughput
Archiver Performance	Server All-in-One	300	300 mbps
	Dedicated	400	400 mbps
Transcoder Performance	Server All-in-One	10	10
	Dedicated	40	40

*RAID 6 reduces the Archiver Performance by 40%

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