



TEMPEST Level I, Level II and Zone Enterprise Storage Server

Product Data

Model - DST-204 (Level I), DSL-204 (Level II) and DSZ-204 (Zone A)

Description

The API TEMPEST Enterprise Storage Server, is based on the latest HP ProLiant DL380-G5 server series and meets TEMPEST Level I, Level II and Zone A standards. Combining concentrated computing power, back-up integrated capabilities, integrated Lights-Out 2 management, and essential fault tolerance, the TEMPEST Enterprise Storage Server is optimized for space constrained installations. Dual-core Xeon processors, DDR2 Fully Buffered DIMMs, Serial Attached SCSI (SAS) and PCI Express technology provide a high performance system ideal for the full range of scale out applications. What's more, the TEMPEST Enterprise Storage Server steps up the fault tolerant in an ultra dense platform with redundant power, redundant fans, mirrored memory or online spare memory, embedded RAID capability, and full-featured remote Lights-Out 2 management.

The DST-204 offers proven performance through state-of-the-art Intel Xeon 5000 Series Dual Core Processors, up to 32GB of 4-way interleaved PC2-5300 (DDR2-667) SDRAM, 4-PCI-Express/PCI-X expansion slots, complete data protection smart array controllers and Integrated Lights-Out 2 that allows powerful, hardware-based remote administration.

Features

- Certified to NSTISSAM TEMPEST /192 Level I, Level II, Zone and NATO SDIP-27 A & B standard (formerly AMSS 720B & AMSS 788A)
- Up to two multi-core Intel Xeon processors (5300/5100/5000 sequences)
- Intel 5000P chipset
- Up to 1333MHz front-side bus
- Smart Array P400 Controller
- Expandable to 1168 GB Internal Hot Plug Storage SAS Ready
- 9 Media Bays: 8 Hot Pluggable Hard Drive Bays, 1 optical
- 3U Form Factor





TEMPEST Level I, Level II and Zone Enterprise Storage Server

Specifications

Model - DST-204 (Level I), DSL-204 (Level II) and DSZ-204 (Zone A)

Processor

Up to (2) processors of each a Dual-Core Intel Xeon Processor 5160 3.0 Ghz processors

Memory

Up to 32GB Fully Buffered DIMM PC2-5300 8x4GB Memory

Cache up to 2x4 MB Level 2 Cache

Expansion Slots (not Hot Swap)

Four available PCI-e slots
Optional: Mixed PCI-x/PCI-express configurations available.

Storage Options

Optical DrivesSLIM CD-RW/DVD-ROM combo, CD-ROM, DVD or DVD +RW
Hard DrivesUp to 8
Maximum Internalup to 1168 GB

Interfaces

Keyboard PS/21
USB (option)2
Video1
Serial (option)1
Mouse1
NIC1 (option)100 MB/S SC Fiber
NIC2 (option)100 MB/S SC Fiber
iLO (option)100 MB/S SC Fiber

Drive Controller

Smart Array P400/512 Controller with optional Battery-Backed Write Cache

Hard Drive Bays

Support for 8 SAS disk drives

Chassis

3U form factor

Graphics

Integrated ATI ES1000 1280x 1024 x 16M color (32MB video std.)

OS Support

Windows® Server 2000/2003
Novell NetWare
LINUX® (RED HAT SuSE)

Hard Drives Options

72GB Hot Plug 2.5 SAS 10,000 rpm (up to 8)
146GB Hot Plug 2.5 SAS 10,000 rpm (up to 8)

Power Supply

800W, 110/220 Auto-sensing. Optional
Redundant Power Supply (not HotSwap)
Input Requirements (per power supply)
Rated Input Voltage100-132 VAC, 200-240 VAC
Rated Input Current 7.5A (100VAC), 3.8A (200VAC)
Rated Input frequency 100-120/220-240 VAC
Frequency 50 to 60 Hz
Rated Input Power 735 W
BTU Rating 2508 BTU/HR

Physical Specifications

Height (3U) 5.25 inches (13.4 cm)
Depth 29 inches (74 cm)
Width 17.66 inches (45 cm)
Weight 68 lbs. (30.84 kg)

Operating Environment

Temperature
Operating 50° to 95°F (10° to 35°C)
Storage -40° to 158°F (-40° to +70°C)
Humidity
Operating 10% to 90%
Storage/Shipping 5% to 95%
Altitude
Operating 0 to 10,000 Ft (0-3,048m)
Storage 0 to 30,000 Ft (0-9,144m)

Warranty

3-year on parts and labor

Advanced Programs, Inc. is an NSA-endorsed test services facility and an NSA-endorsed TEMPEST manufacturing facility.

Technical Specifications are subject to change without notice. U.S.A. export controls apply to these products.
E & OE - 7/29/09

