



# 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 AMSG 720B & AMSG 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 Drives . . . . .SLIM CD-RW/DVD-ROM combo, CD-ROM, DVD or DVD +RW  
Hard Drives . . . . .Up to 8  
Maximum Internal . . . . .up to 1168 GB

### Interfaces

Keyboard PS/2 . . . . .1  
USB (option) . . . . .2  
Video . . . . .1  
Serial (option) . . . . .1  
Mouse . . . . .1  
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 Voltage . . . . .100-132 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

