
CE-7650

Rugged RAID Server



Key Features:

- Ground Mobile (Wheeled Vehicle) Certified
- MIL-STD-810F / MIL-STD-461E
- Dual Xeon 2.8GHz; 1MB Cache
- Max. 8 GB ECC RAM PC2100 DDR
- 3 x HDD SAS or SATA
- 2 x Ethernet Gigabit Fiber Optic
- 8 x Serial Ports RS232/422
- Dual Channel RAID



Preliminary specification, subject to change without notice!
Released February 2009



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TEMPEST RUGGED MIL-SPEC

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CE-7650

Technical Data

General Specifications

Engine Architecture

- Dual Intel® Xeon™ processors 2.0 GHz to 3.06 GHz
- Intel® E7501 chipset
- Provides support for a 400/533 system bus and PC1600 or PC2100 DDR memory with ECC
- LSI Logic Mega RAID
- ISA, PCI, PCI-X, Hub Link 2.0

Power

- PS/2 Form Factor 300 Watt Power Supply (Optional 400 Watt & Hot swap)
- 95/220 VAC, 50-400Hz (Auto sensing), or
- DC Power Supply +12VDC, 28 VDC (optional)

Peripheral Bays

- Three 5.25" Shock mounted, front access drive bays and
- One 3.5" bay

Construction

- Fully welded .090" aluminium chassis
- Nut-Plate / MIL Construction
- Card Lockdowns
- Optional Rear Doghouse with EMI/RFI Shielding (L) 542 x (H) 178 x (W) 425 [mm]
- Mounting – RS-310 Retma

Cooling

- Filtered Positive Pressure Cooling System
- Optional: Temperature alarm
- 1 Audio, Military

Keyboard

- 106 key Keyboard
- Trackball separated

Environmental Characteristics

Orientation

- $\pm 45^\circ$ from horizontal, any axis

Temperature

- Operating: -20°C to +50°C
- Storage: -40°C to +70°C

Shock & Vibration

- MIL-STD-810F, Ground Mobile, Aircraft Fixed Wing & Rotary

EMI / RFI Emission (optional)

- MIL-STD-461 E, Test Method CE101, CE102, RE101, RE102

Altitude

- Operating: -60m to 3.650m Non-Pressurized (optional 12.000m with Flash Drive)
- Storage: -150m to 12.000 m

Physical

- Dimension: 490 x 180 x 500 (W x H x D) [mm]
- Weight: ~29 kg

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