

# Titan Storage Controller™

## 4U High-Density Storage Controller



The Titan Storage Controller is a high density, redundant dual storage controller (1S) product. The 4U chassis supports up to 90 3.5" or 2.5" SAS/SATA/SSD drives with excellent performance and high availability.

### FEATURES

- 4U enclosure designed to fit in 19" wide, 1200 mm deep standard rack
- Cable management assembly (CMA)
- Supports up to 90 3.5" or 2.5" drives
- 11W max drive power at 35C
- Power control for 12G SAS drive via pin3
- Dual redundant storage controllers, hot-swappable
- Storage Controller
  - Single socket Skylake-SP up to 140W
  - 6 DDR4 DIMMs
  - 1 x16 LP PCIe Slot, 1 x8 OCP Mezz
  - BMC: AST2500
  - Legacy I/O: VGA, 2xUSB3, 2x 1GbE, 1xRJ45 for BMC
  - X8 PCIe NTB
  - Battery backup (BBU)
- ESM (Expansion SAS Module)
  - Dual redundant and hot-swappable
  - Four mini-SAS HD ports per ESM
  - Legacy I/O: One RJ45 for management, one UART via 3.5mm jack for debug
  - LED: Power LED (green), ESM Fault LED (amber),
  - UID LED (blue)

### POWER AND COOLING

- 1300W 80 plus Platinum PSU, 2+2 redundant, hot swap
- 100-127,200-240V AC input, auto ranging, 47~63Hz
- 5 x 80 mm back to back fans, hot-pluggable from the top

### PHYSICAL DIMENSIONS

- Height: 175.3 mm (6.9", 4U)
- Width: 446 mm (17.56")
- Depth: 1175 mm (46.26") w/CMA

### ENVIRONMENTAL

- Operating Temperature: 5°C to 35°C
- Non-Operating Temperature: -40°C to 60°C
- Humidity: 8% to 85% RH
- Operating Altitude: 3048 m
- Sound Power: (23+/-2°C) <8.0Bel

### APPROVALS

- EMC: EN 55032, CISPR-32 Class A, EN 55024, EN 61000-3-2, EN 61000-3-3, FCC 47 CFR Part 15 Class A, VCCI V-3 2014.4 Class A, ICES-003, Issue-004 Class A, GB9254 2008 Class A, GB17625.1-2012
- Safety: IEC/EN/UL/ CAN/CSA 60950-1, GB 4943
- Environment: RoHS, REACH, WEEE

*Note: All specifications and figures are subject to change without prior notice.*



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