nVent SCHROFF

We connect and protect

MTCA.4 System Rev3, 12 Double Mid-Size AMC Slots, 9 U, 84 HP, JSM

CATALOG NUMBER

11850-040

MTCA.4 crate in accordance to Rev 3.0 of the MTCA.0 Standard with support for PCIe Gen 4 & 5 as well as 100 GbE. The system is designed for high-performance applications with high level of availability, where redundancy of all components is required. The two redundant hot-swap fan modules with EMMC in push-pull configuration ensure that the front and rear slots are properly cooled. The fan speed is controlled independently for front and rear and is set via the MCH. Cable trays on the front and rear of the enclosure simplify cable management. The system can take up to four power modules to ensure a sufficient power supply for the application. The backplane features clock and trigger lines per PICMG MTCA.4, as well as interlocks. It also provides direct connections for SAS/SATA and lines between the AMCs.

FEATURES

- In accordance with PICMG MTCA.0 R3.0 and MTCA.4 R3.0 specification
- Supports PCIe Gen5 and 100GBase-KR4
- 9 U, 84 HP system for 12 Double Mid-Size AdvancedMC modules, 2 Double Full-Size MCHs, and 4 Double Full-Size power modules
- 12 rear transition module slots for Double Mid-Size RTMs
- Backplane with dual star topology, direct connections for S-ATA / SAS, clock and trigger lines per PICMG MTCA.4
- Telecom and fabric clock topology per PICMG AMC.0 R2.0
- 2 hot-swap fan modules with cooling unit manager (CU EMMC), airflow from bottom front to top rear
- Fan tray suitable for chassis with 80 W CU Power Channel (MTCA.0 R2.0) or 110 W CU Power Channel (MTCA.0 R3.0)
- Optionally fan speeds for front and rear sections can be separately adjusted via the MCH

PRODUCT ATTRIBUTES

- Product Type: System
- Number of Slots: 12
- Type: 19" Rack Mount

Backplane Type: MTCA.4 Star Topology
Data Transfer: 100 GbE; PCIe Gen5
Power per Slot: 80W
Airflow Direction: Front to Rear
Rack Height: 9U
Power Supply Type: (4) Double Full-size PM
Power Supply Included: No
Rear I/O: Yes
Complies With: PICMG MTCA.4 R1.0
Depth: 373.3mm
Height: 400.05mm

ADDITIONAL PRODUCT DETAILS

Modified systems available on request.

WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at www.nvent.com and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

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