

MTCA.4 System for 12 Double Mid-Size AMC Modules



The system is designed for high-performance applications with a 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

CERTIFICATIONS



FEATURES

In accordance with PICMG MTCA.4 R1.0 specification

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

Optionally fan speeds for front and rear sections can be separately adjusted via the MCH

SPECIFICATIONS

Table 1/3

Catalog Number	Product Type	Number of Slots	Type	Backplane Type	Data Transfer	Power per Slot
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11850-031	System	12	19" Rack Mount	Data Aggregation Topology, JSM, White Rabbit	40 GbE, PCIe Gen3	80W
11850-030	System	12	19" Rack Mount	Data Aggregation Topology, JSM	40 GbE, PCIe Gen3	80W
11850-028	System	12	19" Rack Mount	MTCA.4 Dual Star Topology, JSM	40 GbE, PCIe Gen3	80W
11850-027	System	12	19" Rack Mount	MTCA.4 Dual Star Topology, JSM, White Rabbit	40 GbE, PCIe Gen3	80W
11850-026	System	12	19" Rack Mount	MTCA.4 Dual Star Topology	40 GbE, PCIe Gen3	80W

Table 2/3

Catalog Number	Airflow Direction	Rack Height	Power Supply Type	Power Supply Included	Rear I/O	Complies With
11850-031	Front to Rear	9U	(4) Double Full-size PM	No	Yes	PICMG MTCA.4 R1.0
11850-030	Front to Rear	9U	(4) Double Full-size PM	No	Yes	PICMG MTCA.4 R1.0
11850-028	Front to Rear	9U	(4) Double Full-size PM	No	Yes	PICMG MTCA.4 R1.0
11850-027	Front to Rear	9U	(4) Double Full-size PM	No	Yes	PICMG MTCA.4 R1.0
11850-026	Front to Rear	9U	(4) Double Full-size PM	No	Yes	PICMG MTCA.4 R1.0

Table 3/3

Catalog Number	Depth	Height	Package Quantity	Certifications
11850-031	373.3mm	400.05mm	1	
11850-030	373.3mm	400.05mm	1	
11850-028	373.3mm	400.05mm	1	
11850-027	373.3mm	400.05mm	1	RoHS, PICMG
11850-026	373.3mm	400.05mm	1	RoHS, PICMG

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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