

# MTCA.4 System for 12 Double Full-Size AMC Modules



The system is designed for high-performance, high availability applications. The hot-swap fan modules with EMMC in pull configuration ensure that the front and rear slots are properly cooled. The fan speed is adjustable via the MCH. The separate JSM installation space prevents an AMC slot from being occupied by a JTAG module. The system can take up to four power modules to ensure a sufficient power supply for demanding applications. The backplane features clock and trigger lines.

## CERTIFICATIONS



## FEATURES

In accordance with MTCA.4 R1.0 specification

84 HP system for 12 double Full-Size AdvancedMC modules, 2 Single Full-Size MCHs, and 4 / 2 Single Full-Size power modules

6 rear transition module slots for Double Full-Size RTMs

1 Single Full-Size slot for a JTAG switch module (JSM)

Backplane with dual-star topology

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

2 hot-swap fan modules with cooling unit manager (CU EMMC)

Air filter accessible from the front

## SPECIFICATIONS

Table 1/3

Catalog Number	Product Type	Number of Slots	Type	Backplane Type	Data Transfer	Power per Slot
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11890-170	System	12	19" Rack Mount	MTCA.4 Dual Star Topology, JSM	40 GbE, PCIe Gen3	80W
11890-156	System	12	19" Rack Mount	CMS Dual Star Topology, JSM	40 GbE, PCIe Gen3	80W
11890-152	System	12	19" Rack Mount	MTCA.4 Dual Star Topology, JSM	40 GbE, PCIe Gen3	80W
11890-119	System	12	19" Rack Mount	CMS Dual Star Topology, JSM	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
11890-170	Front to Rear	9U	2 x (4) Single Full-size PM	No	Yes	PICMG MTCA.4 R1.0
11890-156	Front to Rear	9U	2 x (4) Single Full-size PM	No	Yes	PICMG MTCA.4 R1.0
11890-152	Bottom to Top	7U	2 x (4) Single Full-size PM	No	Yes	PICMG MTCA.4 R1.0
11890-119	Bottom to Top	7U	2 x (4) Single Full-size PM	No	Yes	PICMG MTCA.4 R1.0

Table 3/3

Catalog Number	Depth	Package Quantity
11890-170	373mm	1
11890-156	373mm	1
11890-152	373mm	1
11890-119	373mm	1

## ADDITIONAL PRODUCT DETAILS

2 Power Supplies are required to operate the system.

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](http://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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