nVent SCHROFF

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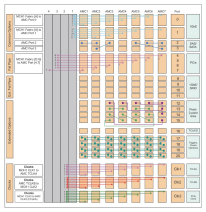
# MTCA.4 Cube System for 7 Double AMC Modules, 5 U, 42 HP

## CATALOG NUMBER

**11850-021**



The system is designed for development and lab testing work. The hot-swap fan module with EMMC ensures that the front and rear slots are properly cooled at a low noise level. The fan speed is controlled independently for front and rear and is set via the MCH. 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

RoHS COMPLIANT

PICMG

## FEATURES

- In accordance with PICMG MTCA.4 R1.0 specification
- 5 U, 42 HP cube system for 6 Double Mid-Size and 1 Double Full-Size AdvancedMC modules, 1 Double Full-Size MCH and 1 Double Full-Size power module
- 6 rear transition module slots for Double Mid-Size modules and one slot for Double Full-Size
- Backplane with star topology, direct connections for S-ATA/SAS, clock and trigger lines per PICMG MTCA.4
- Clock topology per PICMG AMC.0 R2.0
- Hot-swap fan module with cooling unit manager (CU EMMC), airflow from bottom to top, fan speed for front and rear sections can be separately adjusted via MCH
- Air filter accessible from the front

## PRODUCT ATTRIBUTES

Product Type: System

Number of Slots: 7

Type: Half 19" Rack Mount

Backplane Type: MTCA.4 Star Topology

Data Transfer: 40 GbE; PCIe Gen3

Power per Slot: 80W

Airflow Direction: Bottom to Top

Rack Height: 5U

Power Supply Type: (1) Double Full-size PM

Power Supply Included: No

Rear I/O: Yes

Complies With: PICMG MTCA.4 R1.0

Depth: 373.3mm

Height: 222.25mm

Net Weight: 10.35kg

Package Quantity: 1

## 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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