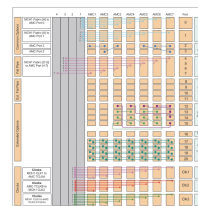


# MTCA.4 Cube System for 7 Double AMC Modules, 5 U, 42 HP

## 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



## 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](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.

North America

All locations  
+1.763.422.2661  
Chat with us:  
[nvent.com/schroff](http://nvent.com/schroff)

Europe

Straubenhardt, Germany  
+49.7082.794.0  
Betschdorf, France  
+33.3.88.90.64.90  
Warsaw, Poland  
+48.22.209.98.35  
Assago, Italy  
+39.02.932.7141  
Chat with us:  
[nvent.com/schroff](http://nvent.com/schroff)

Asia

Shanghai, China  
+86.21.2412.6943  
Qingdao, China  
+86.532.8771.6101  
Singapore  
+65.6768.5800  
Shin-Yokohama, Japan  
+81.45.476.0271  
Chat with us:  
[nvent.com/schroff](http://nvent.com/schroff)

Middle East & India

Dubai, United Arab  
Emirates  
+971.4.378.1700  
Bangalore, India  
+91.80.6715.2001  
Istanbul, Turkey  
+90.216.250.7374  
Chat with us:  
[nvent.com/schroff](http://nvent.com/schroff)



Our powerful portfolio of brands:

CADDY   ERICO   HOFFMAN   ILSCO   SCHROFF   TRACHTE