

# ATCA System 450/40 FC Series, 14 Slot, DC



The nVent SCHROFF ATCA 450/40 FC Series is a family of AdvancedTCA Shelves that provide cooling and power per slot for 450 W blades. The backplane is verified in accordance to 40GBASE-KR4 for 40 Gbit Ethernet. Shelves with air flow from bottom to top as well as shelves with air flow from front to rear are available.

## CERTIFICATIONS



## FEATURES

Conforms to AdvancedTCA Standard PICMG 3.0 rev.3.0

Input voltage -48 VDC/-60 VDC, two redundant power entry modules (PEM)

2 redundant hot-swap fan trays in push-pull configuration

450 W cooling capacity per slot at an ambient temperature of 55 °C

Prepared for 2 x SCHROFF shelf managers with Pigeon Point ShMM 700

Shelf Manager slots on the right hand side in the AdvancedTCA card cage

Shelf Manager consoles and Telco alarm interface in lower fan tray

Air filter access from front

## SPECIFICATIONS

Table 1/3

| Catalog Number | Product Type | Number of Slots | Type           | Backplane Type         | Data Transfer | Power per Slot |
|----------------|--------------|-----------------|----------------|------------------------|---------------|----------------|
| 11990-192      | System       | 14              | 19" Rack Mount | Dual Star, Bussed IPMB | 40 GbE        | 450W           |

| CatalogNumber | Product Type | Number ofSlots | Type           | BackplaneType             | Data Transfer | Power per Slot |
|---------------|--------------|----------------|----------------|---------------------------|---------------|----------------|
| 11990-190     | System       | 14             | 19" Rack Mount | Dual Star,<br>Bussed IPMB | 40 GbE        | 450W           |

Table 2/3

| Catalog Number | Input Voltage DC | Airflow Direction | Rack Height | Power Supply Type | Power Supply Included | Rear I/O |
|----------------|------------------|-------------------|-------------|-------------------|-----------------------|----------|
| 11990-192      | -48V, -60V       | Front to Rear     | 14U         | (2) DC PEM        | Yes                   | Yes      |
| 11990-190      | -48V, -60V       | Bottom to Top     | 14U         | (2) DC PEM        | Yes                   | Yes      |

Table 3/3

| Catalog Number | Complies With  | Depth | Package Quantity | Quick Ship |
|----------------|----------------|-------|------------------|------------|
| 11990-192      | PICMG 3.0 R3.0 | 383mm | 1                | No         |
| 11990-190      | PICMG 3.0 R3.0 | 383mm | 1                | No         |

## ADDITIONAL PRODUCT DETAILS

Modified systems available on request.

Completely assembled, cabled and tested.

## 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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