aTCA-80302PA

3U 2-slot Full-Mesh 40G AdvancedTCA® Shelf

Features

- 19” Rackmount, 3U height, 385mm depth
- 2-slot full-mesh topology Fabric Interface
- 2-slot standard Rear Transition Module
- Dual-bussed IPMB
- Hot-swappable IPMC controlled fan trays
- Two shelf management controller slots
- Dual 115 VAC/230 V AC power supply units



Specifications

Mechanical
19” Rackmount, 3U height, 385mm depth

Specification
Fits inside a 600 mm deep cabinet (include cable bend area)
Supports 2-slot standard AdvancedTCA® blades and RTMs

Shelf Manager
Dual-hot-swappable Pigeon Point Systems ShMM-700 based ShMCs
or Built-in simple Shelf manger function in intelligent fan trays
Active/Standby mode for high availability applications
Support multiple management functions:
- Monitoring temperature in the shelf and on the board
- Running cooling algorithm based on temperature conditions
- Hot-swapping blades (Activate and deactivate ATCA blade when receiving hot-swap messaging)
- Monitoring fan fault condition
- Indicating fan tray (separate left and right) fault and power supply fault at front panel

Cooling System
Hot-swappable IPMC controlled fan trays
Easily removable replaceable air filter

Backplane
Hub-hub topology Base Interface
Full-Mesh topology Fabric Interface
Update channels for active/standby synchronization
Dual-bussed IPMB

Power Input
90 VAC to 140 VAC / 170 VAC to 264 VAC
Nominal 115VAC/230VAC
Dual redundant AC power supply units
Input nominal current 180V@7.9A (1200W)
Weight: 18 kg

Operating Temp.
+5°C to +40°C (long term)
-5°C to +55°C (short term)

Storage Temp.
-40°C to +70°C

Humidity
5% to 85%, non-condensing
Dimensions: 483 x 132 x 385mm (W x H x D)
Compliance: PICMG 3.0 Rev. 3.0 compatible
Target Certifications: FCC, CE, UL

Ordering Information

Shelves

- **aTCA-80302PA/FM40AA2**
  3U 2-slot Rackmount AdvancedTCA® Shelf, Dual-Star Fabric Topology, Full-Mesh IPMI Bus
  2 PPS ShMM-700 based ShMCs
  2 power supply units
- **aTCA-80302PA/FM40S2**
  3U 2-slot Rackmount AdvancedTCA® Shelf, Dual-Star Fabric Topology, Full-Mesh IPMI Bus
  Built-in simple ShMC
  2 power supply units

Power Supply (Optional)

- **aTCA-8AP/PSU1200**
  1200W VAC power supply unit

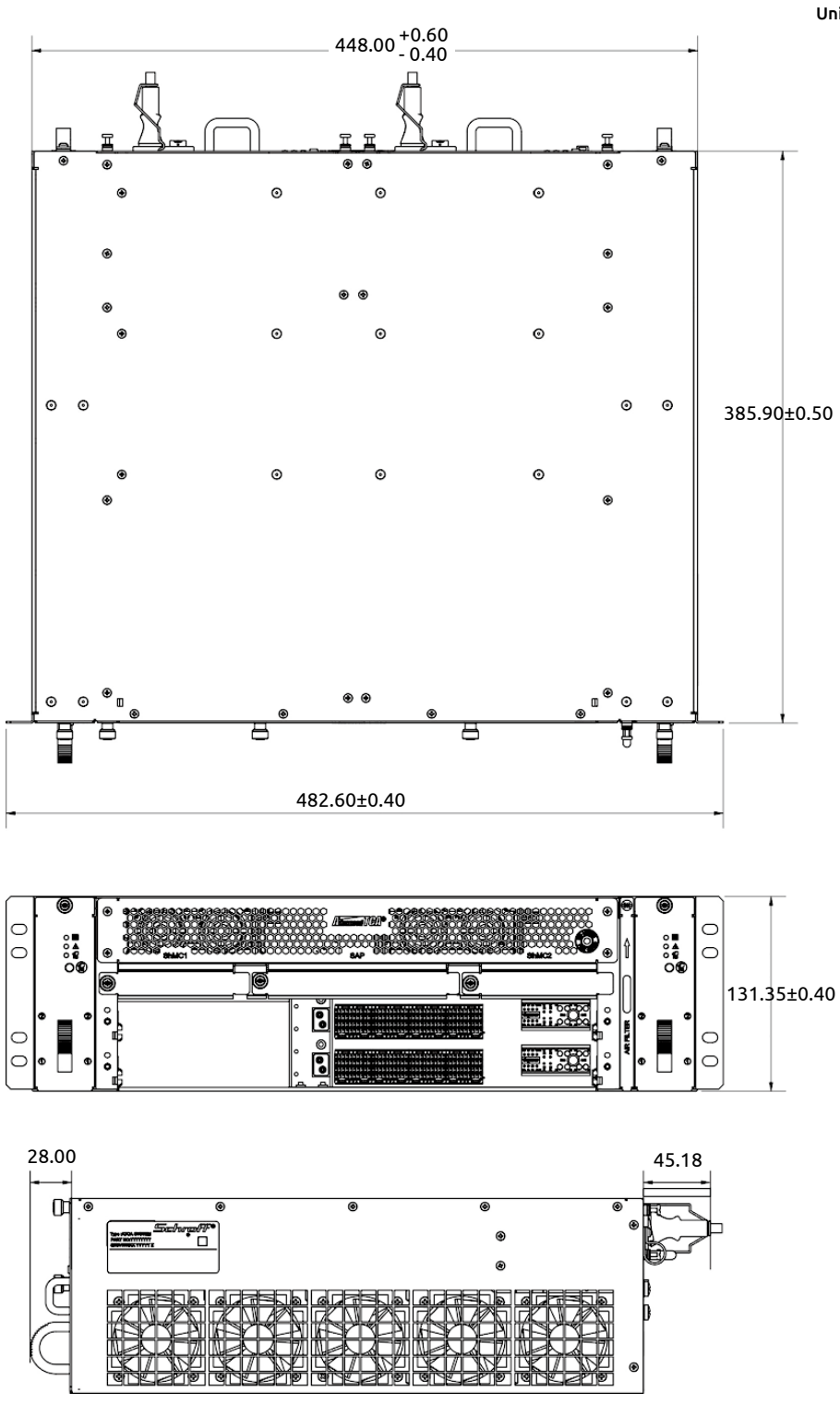
ShMC (Optional)

- **aTCA-8AP/ShMC700**
  Pigeon Point Systems ShMM-700 based ShMC

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Dimensions

Units: mm



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