aTCA-80302PD

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 -48 V DC power entry modules



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
-40V DC to -72V DC
Nominal -48 V DC/ -60 V DC
Dual redundant power entry modules
Input nominal current 48V@35A (1680W)
Weight: 15 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

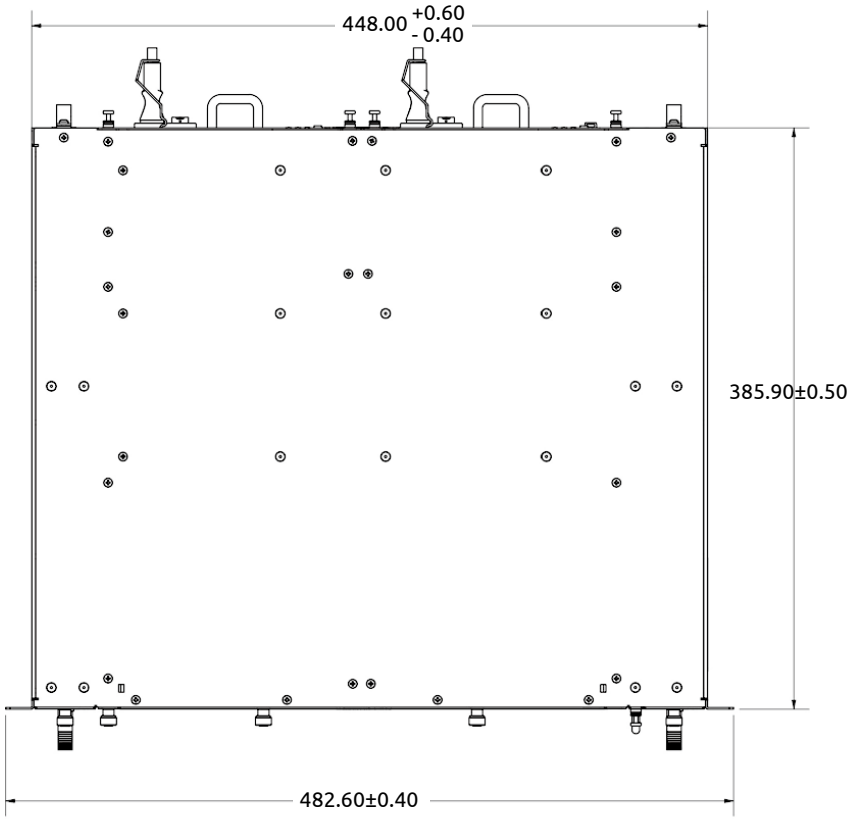
- **aTCA-80302PD/FM40AA**
  3U 2-slot Rackmount AdvancedTCA® Shelf, Dual-Star Fabric Topology, Full-Mesh IPMI Bus
  2 PPS ShMM-700 based ShMCs
- **aTCA-80302PD/FM40S**
  3U 2-slot Rackmount AdvancedTCA® Shelf, Dual-Star Fabric Topology, Full-Mesh IPMI Bus
  Built-in simple ShMC

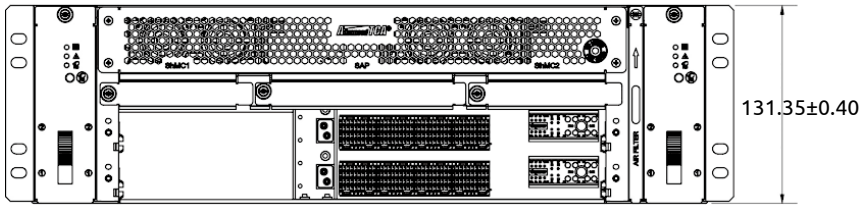
ShMC (Optional)

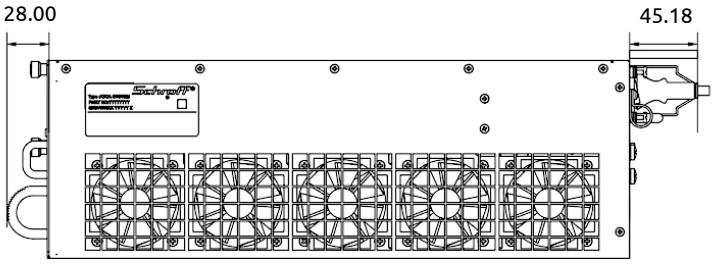
- **aTCA-8AP/ShMC700**
  Pigeon Point Systems ShMM-700 based ShMC

Dimensions

Units: mm







LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

All products and company name listed are trademarks or trade names of their respective companies.
Updated Apr. 11, 2018. ©2018 ADLINK Technology, Inc. All Rights Reserved.
All specifications are subject to change without further notice.