



### Features

- 19" Rackmount, 6U height, 16.4" depth
- 6-slot full mesh topology Fabric interface
- 6 standard Rear Transition Module slots
- Dual-Bused IPMB
- Dual hot swappable I<sup>2</sup>C controller fan trays
- Dual shelf management controller slots
- Dual -48VDC power entry modules (DC version)
- 40 Gbps backplane
- Power dissipation supports over 300 watts per board



### Specifications

Mechanical	19" Rackmount, 6U height, 16.4" depth
Specification	Supports 6-slots standard AdvancedTCA blades and RTMs
Shelf Manager	Dual hot-swappable Pigeon Point Systems ShMM-500 based shelf management controllers (aCMM-2100 ShMC) Active/Standby mode for high availability applications Supports multiple management interfaces: <ul style="list-style-type: none"> <li>• Remote Management Control protocol (RMCP)</li> <li>• Remote Procedure call (RPC)</li> <li>• Simple Network Management protocol (SNMP)</li> <li>• Command Line Interface (CLI)</li> <li>• Open HPI function support</li> <li>• Web-base interface</li> <li>• Dual 10/100BASE-T fast Ethernet ports, one serial console for access</li> </ul>
Cooling System	Dual hot-swappable fan tray modules Right-to-left transverse air flow, push-pull design Removable and replaceable air filters
Backplane	Full mesh topology Fabric interface Dual-star topology Base Interface Dual-bussed IPMB
Power Input	AC Version: <ul style="list-style-type: none"> <li>• AC to -48VDC power supply built in (input: 100~264 VAC 47~63Hz)</li> </ul> DC Version: <ul style="list-style-type: none"> <li>• Dual redundant -48VDC power entry module (input: -40 VDC to -72 VDC)</li> </ul>
Weight	10.5 kg
Operating Temp.	0°C to 55°C (dependent on system configuration)
Storage Temp.	-20°C to 80°C

Humidity	5% to 95%, non-condensing
Dimensions	449 x 226 x 417 mm (W x H x D)
Compliance	AdvancedTCA Specification PICMG 3.0 R2
Target Certifications	CE, FCC, CUL, NEBS Level 3 (design)

### Ordering Information

#### Shelves

Model Number	Description/Configuration
aTCA-H8606	6U 6-Slot Rackmount AdvancedTCA Shelf
aTCA-H8606A	6U 6-Slot Rackmount AdvancedTCA Shelf with single Shelf Management Controllers
aTCA-H8606AA	6U 6-slot Rackmount AdvancedTCA Shelf with dual Shelf Management Controllers

#### Shelf Manager (ShMC) (Optional)

aCMM-2100	AdvancedTCA Shelf Management Controller (ShMC) for aTCA-8606
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#### Power Supply Unit – (Optional)

aPRS-1120	19" Rackmount Power Rack with one aPS-91120/48 PSU (aTCA-8606 DC version)
aPS-91120/48	1200W Power Supply Unit (aTCA-8606 DC version)

# Mechanical Layout



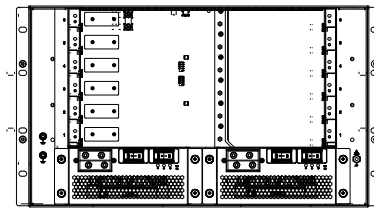
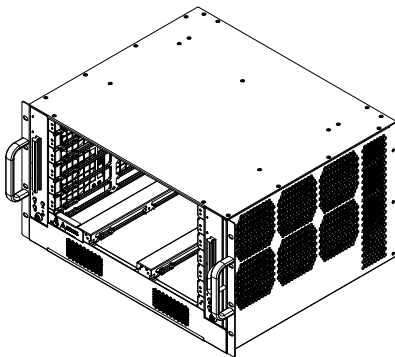
Front View



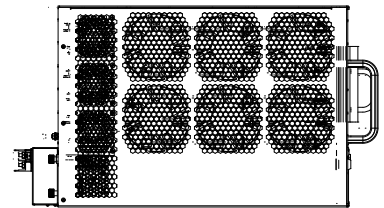
Rear View

# Dimensions

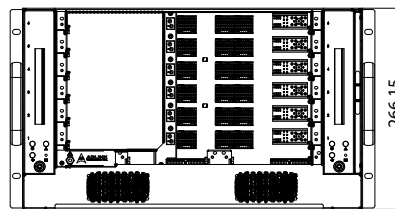
Units: mm



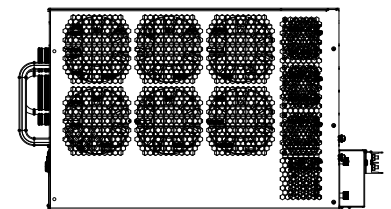
Rear side



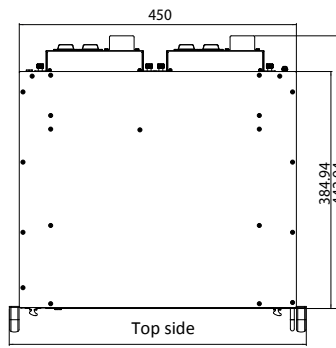
Left side



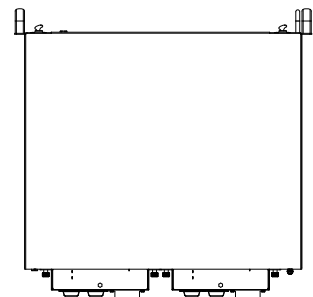
Front side



Right side



Top side



Bottom side