



Features

- 19" Rackmount, 5U height, 15.3" depth
- 5-slot full mesh topology Fabric Interface
- 5 standard Rear Transition Module slots
- Dual-bussed IPMB
- Dual-hot-swappable I²C controlled fan trays
- Two shelf management controller slots
- Dual -48 V DC Power Entry Modules

Specifications

Mechanical Specification	19" Rackmount, 5U height, 15.3" depth Fits inside a 600 mm deep cabinet (include cable bend area) Supports 5-slots standard AdvancedTCA® blades and RTMs
Shelf Manager	Dual-hot-swappable Pigeon Point Systems ShMM-500 based ShMCs (aCMM-2000) Active/Standby mode for high availability applications Supports multiple management interfaces: - Remote Management Control Protocol (RMCP) - Remote Procedure Call (RPC) - Simple Network Management Protocol (SNMP) - Command Line Interface (CLI) - Web-based interface - Dual-10/100BASE-T Fast Ethernet ports and one serial console for access
Cooling System	Dual-hot-swappable I ² C controlled fan trays Right-to-left transverse air flow, push-pull design Easily removable replaceable air filter
Backplane	Dual-star topology Base Interface Full mesh topology Fabric Interface Update channels for active/standby synchronization, slot 1-2, slot 3-4 Dual-bussed IPMB
Power Input	-40 V DC to -72 V DC Nominal -48 V DC Dual redundant power entry modules Each carries up to 1200 W (A or B)
Weight	8 kg/17.6 lbs

Operating Temp.	0°C to 55°C (dependent on system configuration)
Storage Temp.	-20°C to 80°C
Humidity	5% to 95%, non-condensed
Dimensions	440 x 221.8 x 387.4 mm (W x H x D)
Compliance	AdvancedTCA® Specification PICMG® 3.0 R2.0 ECN001
Target Certifications	FCC, CE, CUL, NEBS Level 3 (design)

Ordering Information

Modules

Model Number	Description/Configuration
aTCA-8505	5U 5-slot Rackmount AdvancedTCA® shelf
aTCA-8505A	5U 5-slot Rackmount AdvancedTCA® shelf with single ShMC
aTCA-8505AA	5U 5-slot Rackmount AdvancedTCA® system with dual ShMCs

Shelf Manager (ShMC) – (optional)

aCMM-2000	AdvancedTCA® Shelf Management Controller (ShMC) for aTCA-8505
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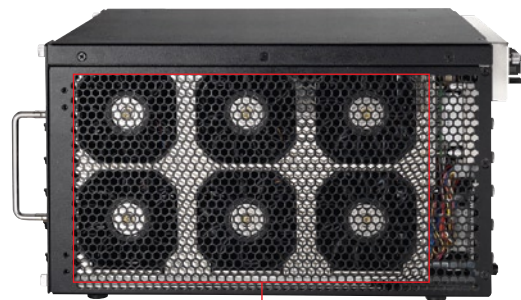
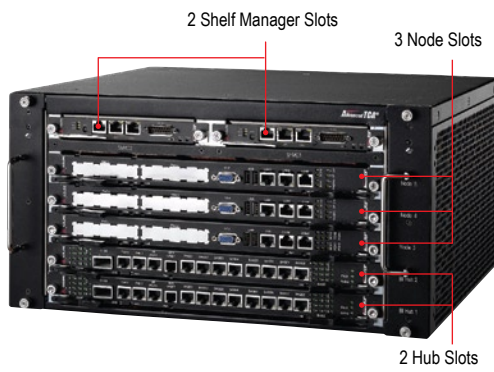
Power Supply (optional)

aPRS-1120	19" Rackmount Power Rack with one 1200 W Power Supply Unit
aPS-91120/48	1200 W 48V Single Output Power Supply Unit

Mechanical Layout



Rear View



Hot Swappable Cooling Fan Tray for Air Intake

Dimensions

Units: mm

