aTCA-8505

5U 5-slot AdvancedTCA® Shelf



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

AdvancedTCA®

Specifications

Mechanical	19” Rackmount, 5U height, 15.3” depth
Specification	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 I²C 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-condensing
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

Shelves

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

Power Supply (optional)

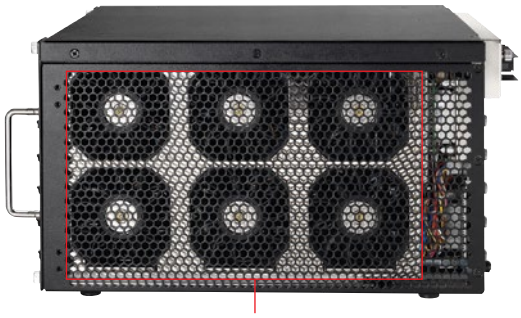
aPRS-1120	19” Rackmount Power Rack with one 1200 W Power Supply Unit
aPS-91120/48	1200 W 48V Single Output Power Supply Unit

Mechanical Layout



Rear View

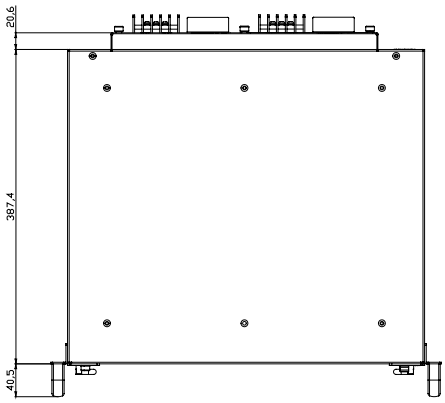


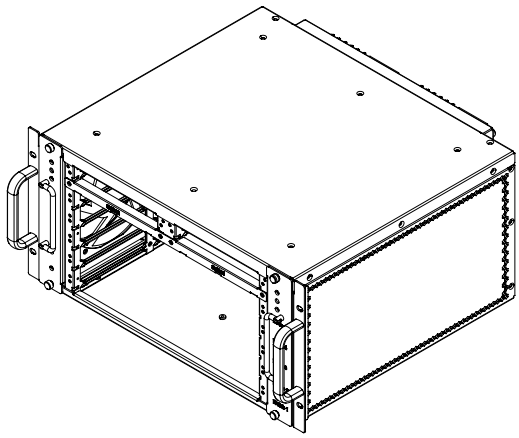


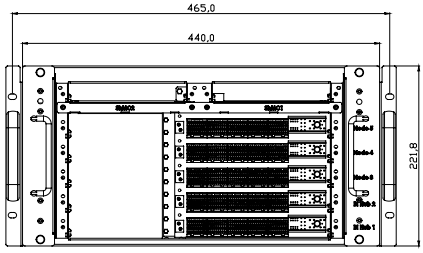
Hot Swappable Cooling Fan Tray
for Air Intake

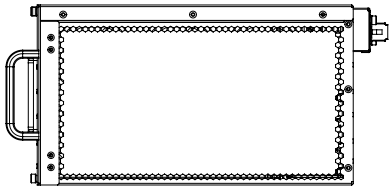
Dimensions

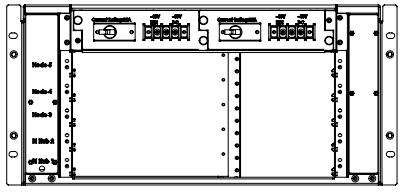
Units: mm











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