aTCA-8214

12U 14-slot Dual Dual-Star AdvancedTCA® Shelf

Features

- 19” Rackmount, 12U height, 383.1 mm depth
- 14-slot dual dual-star topology Fabric Interface
- 14-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, 12U height, 383.1 mm depth
Specification	Fits inside a 600 mm deep cabinet (include cable bend area)
	Supports 14-slot standard AdvancedTCA® blades and RTMs
Shelf Manager	Dual-hot-swappable Pigeon Point Systems ShMM-500 based ShMCs (aCMM-2100)
	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)
	- Dual-10/100BASE-T Fast Ethernet ports and one serial console
Cooling System	Hot-swappable IPMC controlled fan trays
	Easily removable replaceable air filter
Backplane	Dual-star topology Base Interface
	Dual dual-star topology Fabric Interface
	Update channels for active/standby synchronization
	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 3000 W (A + B)
Weight	33 kg
Operating Temp.	0˚C to +55˚C
Storage Temp.	-20˚C to +80˚C
Humidity	5% to 95%, non-condensing
Dimensions	449.5 x 531.9 x 383.1 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-8214	12U 14-slot Rackmount AdvancedTCA® Shelf, Dual Dual-Star Fabric Topology, Dual-bussed IPMI Bus
aTCA-8214A	12U 14-slot Rackmount AdvancedTCA® Shelf with single ShMC, Dual Dual-Star Fabric Topology, Dual-bussed IPMI Bus
aTCA-8214AA	12U 14-slot Rackmount AdvancedTCA® Shelf with dual ShMCs, Dual Dual-Star Fabric Topology, Dual-bussed IPMI Bus

Shelf Manager (ShMC) – (optional)

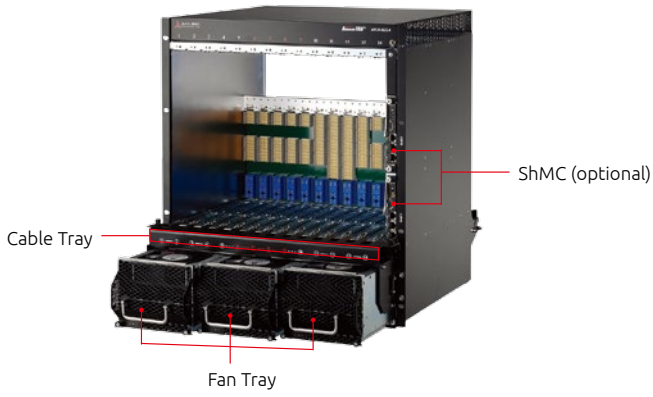
aCMM-2100	AdvancedTCA® Shelf Management Controller (ShMC) for aTCA-8214 (based on PPS ShMM-500)

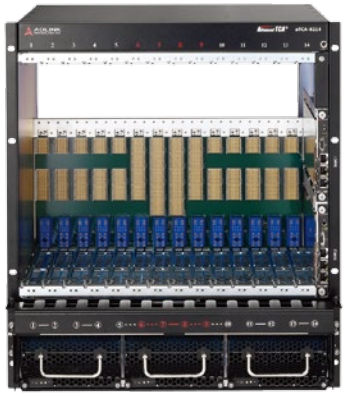
Power Supply (optional)

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

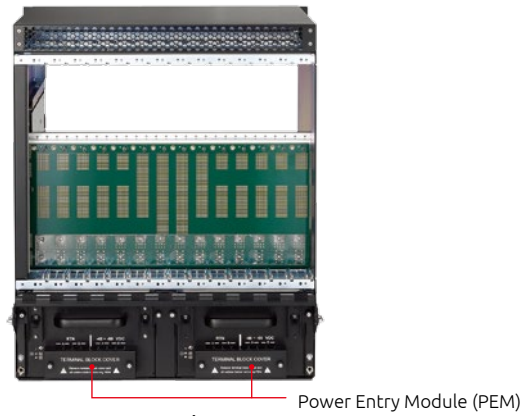
Mechanical Layout







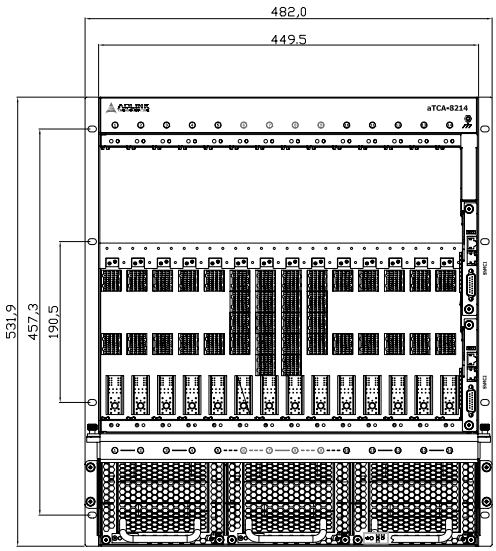
Front View

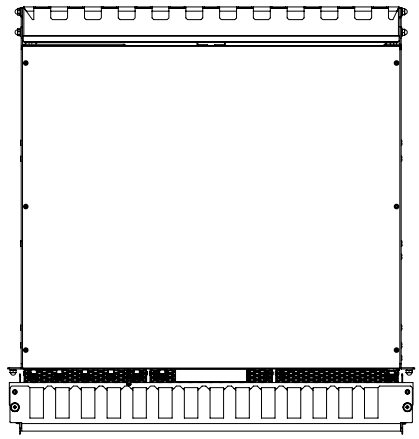


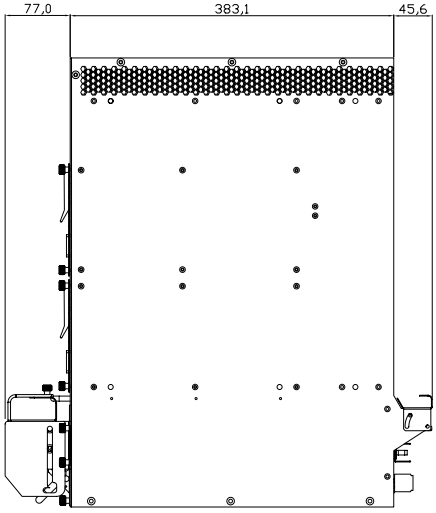
Rear View

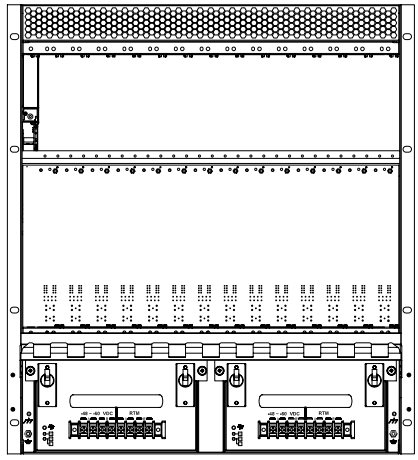
Dimensions

Units: mm









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