

# aTCA-8214

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



Front View



Rear View

The aTCA-8214 is a 12U 14-slot AdvancedTCA® shelf. It supports a 14-slot dual dual-star topology fabric interface and standard Rear Transition Module slots. Dual shelf managers (ShMC) based on Pigeon Point Systems SHMM-500 are designed to work in Active/Standby mode for redundancy. Using the dual-bussed IPMB and I2C buses in system, the ShMC can monitor and control the AdvancedTCA® blades and hot-swappable fan trays according to temperature sensor readings. Dual -48 V DC power entry modules filter and monitor up to 3000 watts maximum power requirement.

### 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
- Dual PPS SHMM-500 based shelf manager
- Dual -48 V DC Power Entry Modules

### Ordering Information

aTCA-8214	12U 14-slot Rackmount AdvancedTCA® system, Dual-Dual Star Fabric Topology, Dual Buses IPMI
aTCA-8214A	12U 14-slot Rackmount AdvancedTCA® system with single ShMC, Dual-Dual Star Fabric Topology, Dual Bussed IPMI
aTCA-8214AA	12U 14-slot Rackmount AdvancedTCA® system with dual ShMCs, Dual-Dual Star Fabric Topology, Dual Bussed IPMI

### Specifications

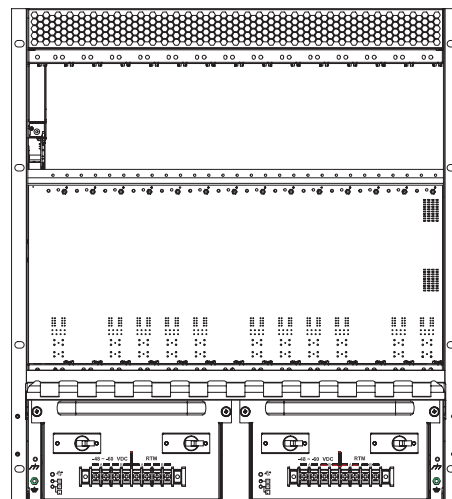
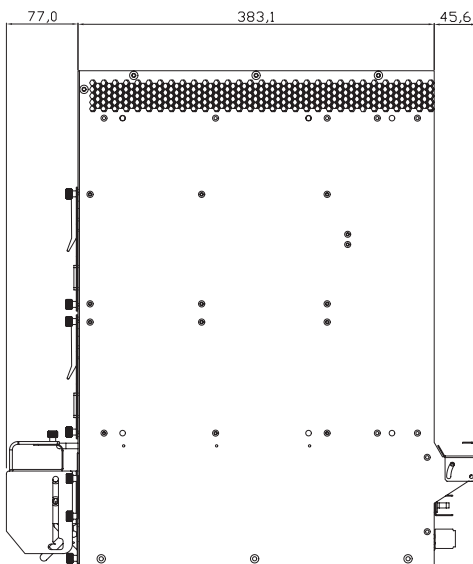
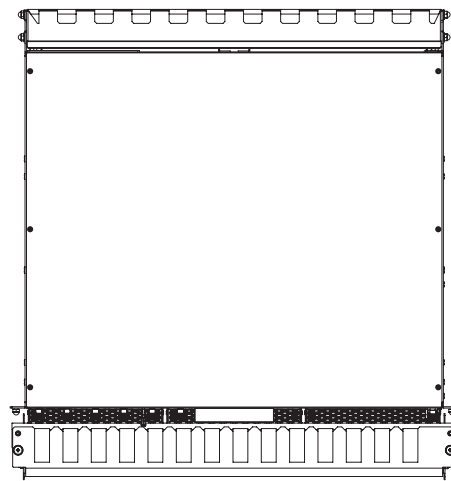
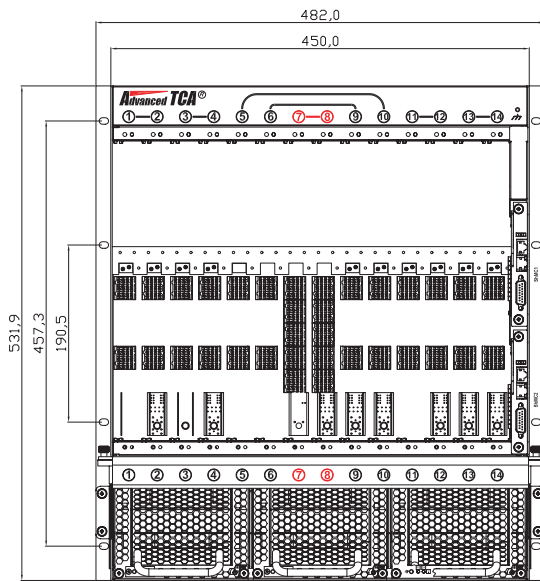
Mechanical Specification	19" Rackmount, 12U height, 383.1 mm depth Fits inside a 600 mm deep cabinet (include cable bend area) Supports 14-slot standard AdvancedTCA blades and RTMs
Shelf Manager	Dual hot swappable Pigeon Point Systems SHMM-500 based ShMCs Active/Standby mode for high availability applications Supports multiple management interfaces including 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 Easy to remove/replace air filter
Backplane	Dual-star topology base interface Dual dual-star topology fabric interface Update channels for active/standby synchronization Dual-bussed IPMB
Power Filtering	Dual-redundant -48 V DC power entry modules 3000 watt maximum
Weight	33 kg
Operating Temp.	0°C to 55°C
Storage Temp.	-20°C to 80°C
Humidity	5% to 95%, non-condensed
Dimensions	531.9 x 450 x 383.1 mm (W x H x D)
Compliance	AdvancedTCA® Specification PICMG® 3.0 R2.0 ECN001
Target Certification	FCC, CE, CUL, NEBS Level 3 (design)

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## Dimensions

Units: mm



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