

# aTCA-8505

## 5U 5-slot AdvancedTCA® Rackmount System



Front View



Rear View

The aTCA-8505 is a 5U 5-slot AdvancedTCA® rackmount system. It supports 5-slot full mesh topology fabric interface and standard Rear Transition Module slots. Dual-Pigeon Point Systems SHMM-500 based shelf manager (ShMC) are designed to work in Active/Standby mode for redundancy. With dual-bussed IPMB and I2C buses in system, ShMC can manipulate the AdvancedTCA® blades and dual-hot-swappable fan trays according to the temperature sensor reading. Dual -48 V DC power entry modules will filter and monitor up to 1200 Watt maximum power requirement.

### Features

- 19" Rackmount, 5U height, 15.3" depth
- 5-slot full mesh topology fabric interface
- 5-slot standard Rear Transition Module
- Dual-bussed IPMB
- Dual-hot-swappable I2C controlled fan trays
- Dual-PPS SHMM-500 based shelf manager slots
- Dual -48 V DC Power Entry Modules

### Ordering Information

aTCA-8505	5U 5-slot Rackmount AdvancedTCA® system
aTCA-8505A	5U 5-slot Rackmount AdvancedTCA® system with single-ShMC
aTCA-8505AA	5U 5-slot Rackmount AdvancedTCA® system with dual-ShMCs

### Power Supply Options

aPRS-1120	19" Rackmount -Power Rack with one 1200 W Power Supplier Unit
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### Specifications

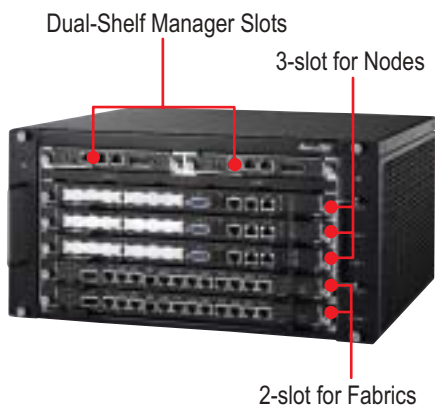
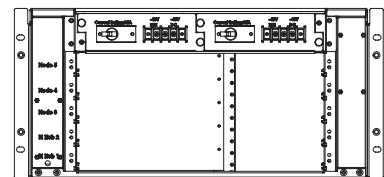
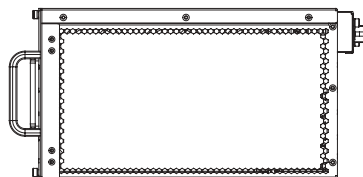
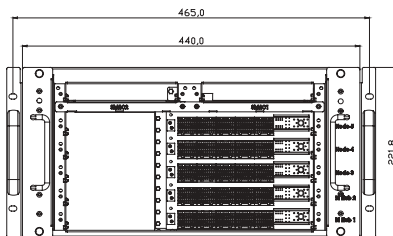
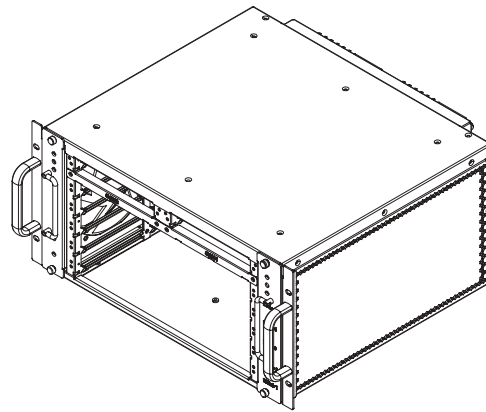
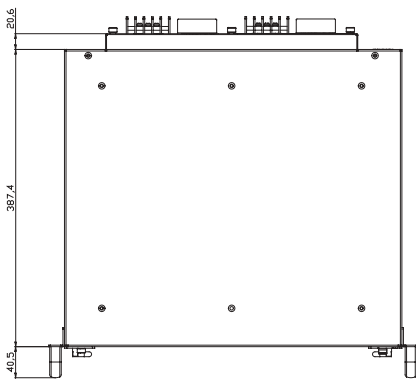
Mechanical specification	19" Rackmount, 5U height, 15.3" depth
	Fit inside a 600 mm deep cabinet (include cable bend area)
	Support 5-slot standard AdvancedTCA® blades and RTMs
Shelf Manager	Dual-hot swappable Pigeon Point Systems SHMM-500 based ShMCs
	Active/Standby mode for high availability applications
	Support multiple management interface include
	Remote Management Control Protocol (RMCP)
	Remote Procedure Call (RPC)
Cooling System	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
Backplane	Dual-hot-swappable I2C controlled fan trays
	Right to Left transverse air flow, push-pull design
	Easy removable / replaceable air filter
Power Filtering	Dual-star topology base interface
	Full mesh topology fabric interface
	Update channels for active/standby synchronization, slot 1-2, slot 3-4
Weight	Dual-bussed IPMB
	Dual-redundant -48 V DC power entry modules
Operating Temp.	1200 Watt maximum
Storage Temp.	8 kg 17.6 lbs
Humidity	0° C to 55° C (depending on system configuration)
Dimensions	-20° C to 80° C
Compliance	5% to 95%, non-condensed
Target Certification	19" x 5U x 15.3" (W x H x D)
	AdvancedTCA® Specification PICMG® 3.0 R2.0 ECN001

# aTCA-8505

## 5U 5-slot AdvancedTCA® Rackmount System

### Dimensions

Units: mm



1  
AdvancedTCA  
Products

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6U cPCI  
SBC

3  
6U cPCI  
Platforms

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3U cPCI  
SBC

5  
3U cPCI  
Platforms

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SBC & IMB

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Industrial  
Chassis

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Computer  
On Modules

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Network  
Security  
Appliances

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Panel PC

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IPC  
Accessories