

# aTCA-H8314

13U 14-slot Dual-Star/Full-Mesh 40G  
AdvancedTCA® Shelf



## Features

- 19" Rackmount, 13U height, 500 mm depth
- 14-slot 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

**AdvancedTCA®**

## Specifications

Mechanical Specification	19" Rackmount, 13U height, 500 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: - Remote Management Control Protocol (RMCP) - Command Line Interface (CLI) - 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/Full-Mesh topology Base Interface Dual dual-star topology Fabric Interface Update channels for active/standby synchronization Dual-bussed IPMB
Power Input	-36 V DC to -72 V DC Nominal -48 V DC/ -60 V DC Dual redundant power entry modules Each carries up to 5040 W (A + B)
Weight	38 kg
Operating Temp.	0°C to 55°C
Storage Temp.	-20°C to 80°C

Humidity	5% to 95%, non-condensing
Dimensions	483 x 577 x 500 mm (W x H x D)
Compliance	AdvancedTCA® Specification PICMG® 3.0 R2.0 ECN001
Target Certifications	FCC, CE, UL, NEBS Level 3 (design)

## Ordering Information

### Shelves

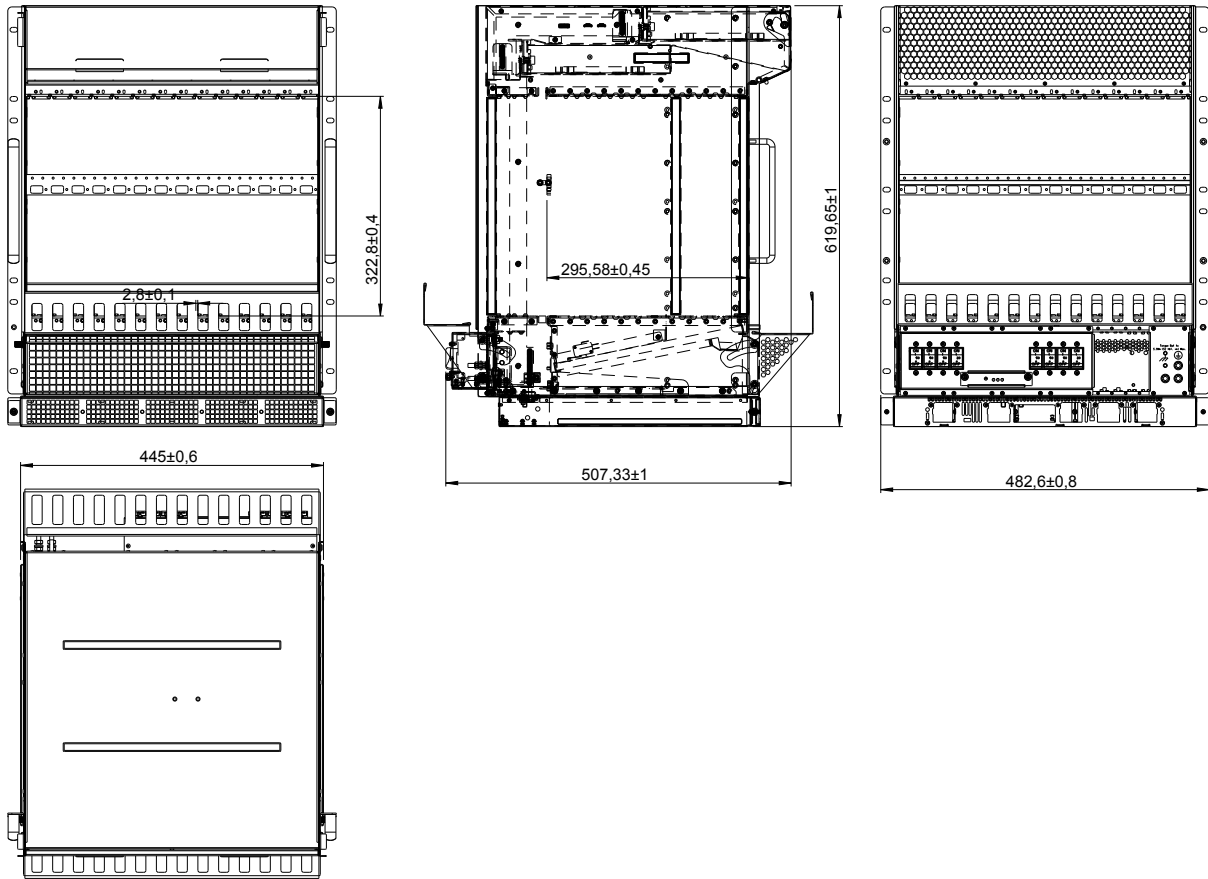
Model Number	Description/Configuration
aTCA-H8314DSAA	13U 14-slot Rackmount AdvancedTCA® Shelf, Dual-Star Fabric Topology, Dual-bussed IPMI Bus
aTCA-H8314PMAA	13U 14-slot Rackmount AdvancedTCA® Shelf with dual ShMCs Full-Mesh Fabric Topology, Dual-bussed IPMI Bus

### 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

# Dimensions

Units: mm



Note: All specifications are subject to change without further notice.