asis

6 Slot AdvancedTCA™
8U AC/DC Chassis
Most powerful and efficient front-to-back cooling chassis on the market

Key Features

19" rack mount

Both AC and DC configurations for maximum flexibility

PICMG 3.1 R2.0 and IPMI v1.5/2.0 compliant shelf

Up to 450W power per slot

Four redundant fan trays

Shelf manager based on Pigeon Point ShMM Sentry 700 (optional Sentry 500)

Up to 4 redundant and hot swappable power supplies of 1600W each supporting IPMI for N+1 and N+N redundancy

Two redundant and hot swappable -48- -60 VDC PEMs

40 Gbps Backplane

Fabric interface with dual-star or three replicated mesh interconnect

Ethernet signaling environment

Asis 6-Slot AdvancedTCA™ AC/DC Shelf exceeds telco market requirements for reliability and availability.

Over ten years of experience in the implementation of the ATCA standards and ever improving backplane design, thermal management and system engineering capabilities went into the design of the 6-Slot ATCA Shelf. We ensure consistent quality with our world class manufacturing at ISO9000 certified facilities.
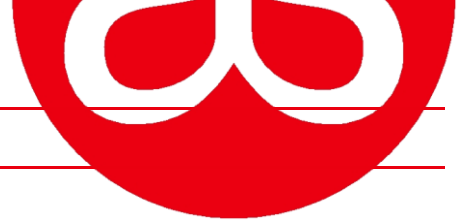
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Specifications

Backplane	
Bus Architecture	Supports up to 6 ATCA compliant front blades and 6 Rear Transition Modules
Base Interface	Dual Star with support for 10/100/1000 BASE-T Etherne
Fabric Interface	Dual Star and 3x Replicated Mesh fabric connectivity optimized for performance at 40Gbps per channel
IPMB Support	Dual redundant bussed IPMB support.

DC Power	
DC Input	-48 VDC/ -60 VDC; two feeds per PEM, designed to carry up to 100Amp
Redundancy	Dual redundant PEM modules, each capable of supplying 100% of shelf's power
Over Current Protection	Two 50Amp circuit breakers on each PEM, one per segment
EMC Filtering	Dual redundant EMC filtered power feeds; PEMs provide common mode and differential mode filtering for conducted emissions.

AC Power	Up to four front accessible, redundant, self-cooled, hot swappable, 1600W power supplies IPMI support Supports N+1 and N+N redundancy

Cooling	
Cooling Mechanism	Front-to-back cooling for front and RTM cooling
Fans	8 fans with 300 CFM each for maximal pressurized cooling
Redundancy	N+1 (i.e., any one fan can fail with no service degradation)
Fan Speed	Variable speed under shelf management or PIC control
Air Filter	Front accessible, washable, field replaceable NEBS GR63 compatible air filter

Shelf Management	
Shelf Manager	Two front accessible, redundant, hot-swappable IPMI Shelf Managers based on Pigeon Point ShMM Sentry 700 (optional Sentry 500).
Managed IPMI Peripherals	Shelf EEPROM, AC power supply, Fan Tray, PEM, Air filter, Alarm panel
Protocol Support	Multiple management interfaces supported: RMCP, SNMP, CLI and OpenHPI
Interface	10/100 Base-T Ethernet
Software Upgrades	Software version is remotely upgradable
IPM Sensor Entries	Fan speed, temperature, voltage, presence

Front panel	
Display	Nine LEDs to indicate chassis status, fan status, Telco alarm and user-defined status
Telco Alarm	Control of external alarms (see below)
Interfaces	10/100 Base-T Ethernet & serial link for the shelf manager, Telco alarms

Accessibility	
Front	Shelf managers, front fan trays, front boards, air filter, front cable holder, AC power supplies
Rear	PEMs, RTMs, rear fan trays, rear cable management

Telco Alarm	
Electrical/Mechanical	Dual redundant Alarm I/O Modules, front accessible via micro D-type 15 pin connector
Alarm I/O Interfaces	Supports 4 outputs (Major, Minor, Critical, Power), 2 inputs (Major & Minor) and 2 switches (Reset and Alarm Cutoff). Alarm relays with a maximum rating of 60VDC/1A or 30VAC.

Regulatory	
Safety	CE and CSA Certified
EMC	CE & FCC part 15 compliant
Environment	Designed to be compatible with NEBS level-3 and ETSI

Physical	
Number of slots	6x 8Ux280mm front blades & 6x 8Ux70mm RTMs
Dimensions Weight:	14" (8U) H x 17.67" (19" rack mount) W x 15.18" Depth- including handles & cable holders AC configuration (including 4 power supplies) - 43Kg (95lbs) DC configuration (including 2 PEMs) - 38Kg (83lbs)
Acoustics	According to NEBS GR63 issue 3
Temperature Humidity:	5% to 95%, non-condensed
Storage Temperature:	-40° to +70° C
Operating Temperature:	-5° to +55° C
Other	Front and rear ESD jack and cable management