



2 Slot AdvancedTCA™ 3U AC/DC Chassis



Key Features

- 19" rackmount.
- Both AC and DC configuration for maximum flexibility.
- PICMG 3.1 R1.0(R2.0 TBD), and IPMI v 1.5/2.0 compliant shelf.
- 300W per slot.
- One powerful fan tray, containing four high performance redundant fans.
- Multiple shelf management options:
 - Fully featured: Slim, high performance based on Pigeon Point™ ShMM Sentry 500.
 - Fan control board – Cost effective solution to control the fan speed based on temperature sensor measurements.
- AC features two Asis' propriety redundant and hot swappable 1500W power supplies supporting IPMI
- DC features two redundant and hot swappable -(48) – -(60) VDC PEMs.
- 40 and 10 Gbps backplane speed
 - Fabric interface with 15X replicated mesh interconnect.
 - Base interface Dual-star Ethernet signaling environment.
- Optional Asis cable management tray can be fitted to both side-mounting flanges.
- Exceeds MTBF and MTTR ATCA standard requirements.
- "NEBS Level 3 ready" integrated system.
- RoHS compliant.
- CE, UL and CSA certified.
- FCC and CISPR Compliant.

AdvancedTCA™

Asis North America

San Diego, CA
USA
888-3-ASISUS (888-327-4787)
Tel./Fax: 858-880-3967

Asis Headquarters

27 Shaked Street
Industrial Park - Hevel Modi'in
Shoham, 73199 Israel
Office: +972 73 233 6633
Fax: +972 73 233 6634

sales@asis-pro.com
www.asis-pro.com



2 Slot AdvancedTCA™ 3U AC/DC Chassis

Specifications

Backplane	
Bus Architecture	Supports up to two 3rd-party ATCA compliant front boards.
Signal bandwidth rating	Supports over 10Gbps per differential pair; 40Gbps per channel.
Base Interface	Base channel interconnect between two ATCA slots, supports 10/100/1000 BASE-T Ethernet; base channel 1 is allocated to ShMC.
Fabric Interface	Fabric channel interconnect between two ATCA slots; 15x replicated Mesh.
IPMB support	Dual Redundant, full busbed IPMB support.
Power	
DC Input (Nominal)	-48 VDC/-60 VDC; one feed per PEM (A or B), designed to carry up to 20 Amp.
Over-Current Protection	16 Amp over-current protection per PEM.
Redundancy	Dual redundant PEM modules, both of which are capable of supplying 100% of shelf power.
EMC Filtering	Dual redundant EMC filtered power feeds; PEMs provide common mode and differential mode filtering for conducted emissions.
AC Version Power Supply	Two redundant front accessible, self cooled, hot-swappable, integral 1500W power supplies.
Cooling	
Cooling Mechanism	Front accessible, hot pluggable fan tray with four axial fans for front and RTM slots.
Fan Speed	Variable speed under shelf manager control or fan control board.
Cooling Capacity	300W per slot.
Air Filter	Front accessible, washable, field replaceable NEBS GR63 compatible air filter.
Shelf Management	
Shelf Manager	Two front accessible, redundant, hot swappable Shelf Manager based on Pigeon Point technology ShMM Sentry 500.
Managed IPMI Peripherals	One air filter sensor, EEPROM, AC power supply, Fan tray, PEM
Protocol support	Multiple management interfaces: RMCP, RPC, SNMP, Web and serial interface.
Ethernet	10/100 Base-T Ethernet controller.
HPI	Compliant, optional SW module for providing access to the hardware platform interface (HPI) level.
Software Upgrades	The shelf managers software version is field and remotely upgradable.
LED Alarm	Nine LEDs to indicate Critical, Major, Minor Alarms, Power status, Telco alarm, and user interface.
Telco Alarm	Alarm relays with a maximum rating of 60VDC/1A, or 30VAC.
IPMC Sensor Entries	Fan speed temperatures, voltage, presence
Accessibility	
Front	Shelf manager card, Fan Tray, Front ATCA boards, Air Filter Tray, Power Supplies.
Rear	PEMs, RTMs.
Alarm I/O/O	
Electrical/Mechanical	Dual redundant Alarm I/O modules front accessible via micro D-type 15 pin connector.
I/O interfaces	Supports four outputs (Major, Minor, Critical, Power) and two inputs (Major & Minor Reset).
Regulatory	
Safety	CE, UL and CSA Certified
EMC	CE & FCC part 15 requirements.
Environment	NEBS level-3 and ETSI Compliant
Physical	
Number of slots	Two slot 8Ux280mm, 6HP (30mm) Front blades; Two slot 8Ux70mm, 6HP (30mm) RTMs.
Dimensions	133.35 mm (5.25") 3U H x 448mm (17.637") (19" rack mount) W x 385.8mm (15.1") Depth- not including handles & cable holders.
EMI	EMI gaskets and hardware.
Weight	9-11 kg.
Acoustics	According to NEBS GR63.
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. Front rack flanges- front, rear, middle configuration options. Optional front cable management tray.