aTCA-H8606C

6U 6-slot AdvancedTCA Rackmount Shelf



Features

- 19” Rackmount, 6U height, AC/DC version
- 6-slot, Dual-Star/Full Mesh topology Fabric interface
- 6 standard Rear Transition Module slots
- Redundant 850W AC power supply (AC version)
- Push-pull hot-swap and redundant fan trays
- Dual shelf management controller slots
- 40 Gbps backplane

AdvancedTCA®

Specifications

Description	6U, 6 slot standard AdvancedTCA chassis
Shelf Manager	Redundant Pigeon Point Shelf Manager Controller (SHMM 500)
	Shelf manager controlled cooling algorithm
	Regulating the fan speed in wide range
	11x Tacho monitor signal inputs for fan monitoring
	12 digital thermal sensors connected by I2C bus to backplane
	Onboard temperature sensors
	TELCO LEDs (Power Good/Critical/Minor/Major Alarm)
	TELCO Alarm Contacts (isolated, D-Sub 15 male)
	Hot swap button
	Ethernet Channel Switch to select Ethernet connection to the front panel RJ45 port or backplane.
Cooling System	Hot-swap, redundant fan trays
	Cooling capability 300W for front boards and 35W for RTM
	high performance fans, 4 fans per unit
	Each fan is fused and monitored
Backplane	10G full mesh fabric interface
	1G full mesh Base Interface
	Dual-bussed IPMB
Power Supply	Power distribution up to 400W per slot
	Redundant dual PEM module (DC version)
	Support up to four AC 850W PSU (AC version)
	-48VDC output

Dimensions	Height	265.90mm (6U, 10.47”)
	Width	482.60mm (19.00”)
	Depth	431.15mm (16.97”)
Weight	23Kg	
Operation Temp.	0°C to +55°C	
Storage Temp.	-20°C to +80°C	
Humidity	5% to 95%, non-condensing	
Certification	UL/EN60950-1, CE, FCC	
Compliance	PICMG 3.0 R3.0	

Ordering Information

Shelves

Model Number	Description/Configuration
aTCA-H8606C	6U 6-Slot Rackmount AdvancedTCA Shelf
aTCA-H8606CA	6U 6-Slot Rackmount AdvancedTCA Shelf with single Shelf Management Controllers
aTCA-H8606CAA	6U 6-slot Rackmount AdvancedTCA Shelf with dual Shelf Management Controllers

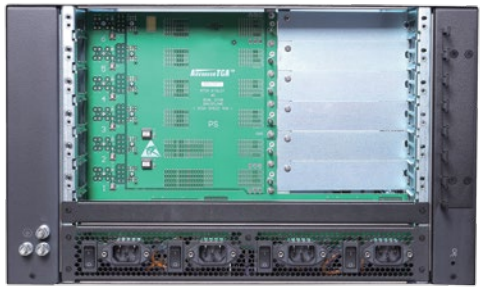
Power Supply Unit – (Optional)

aPRS-1120	19” Rackmount Power Rack with one aPS-91120/48 PSU (aTCA-8606 DC version)
aPS-91120/48	1200W Power Supply Unit (aTCA-8606 DC version)

Mechanical Layout



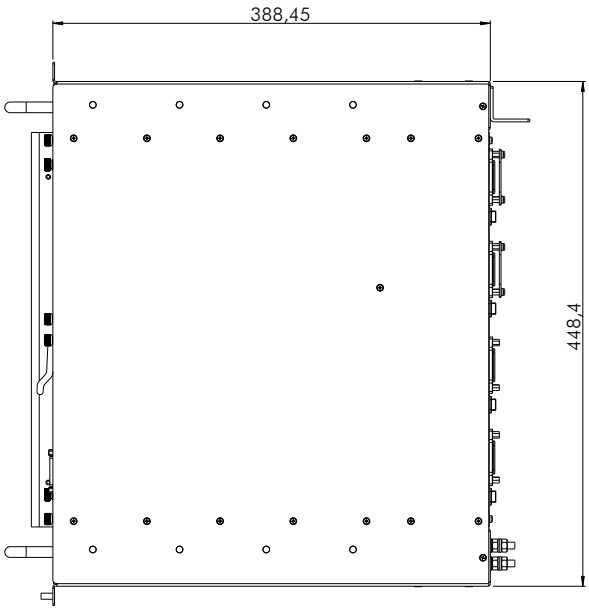
Front View

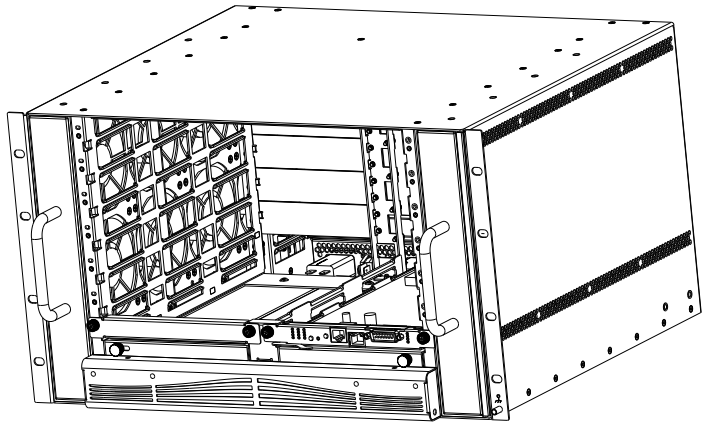


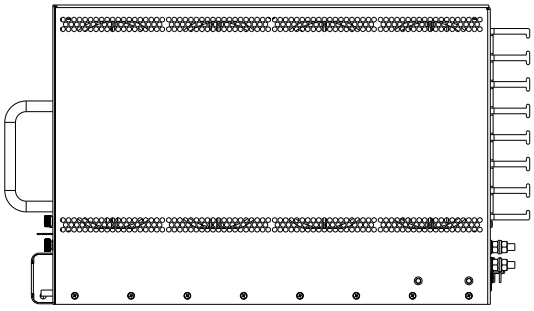
Rear View

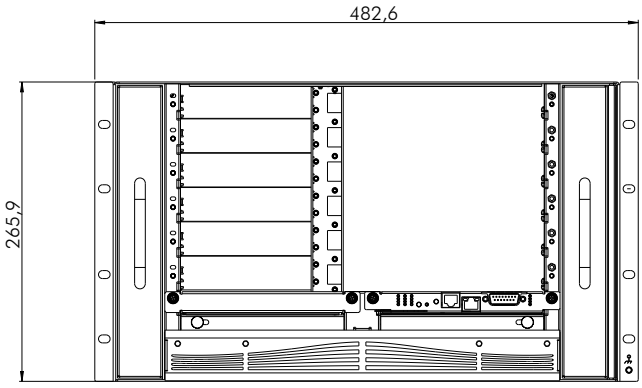
Dimensions

Units: mm









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