

TYPE 39, MicroTCA 3U MicroSlim Shelf



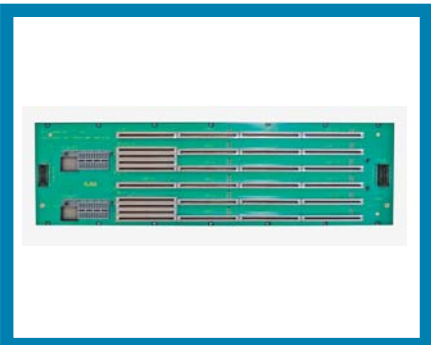
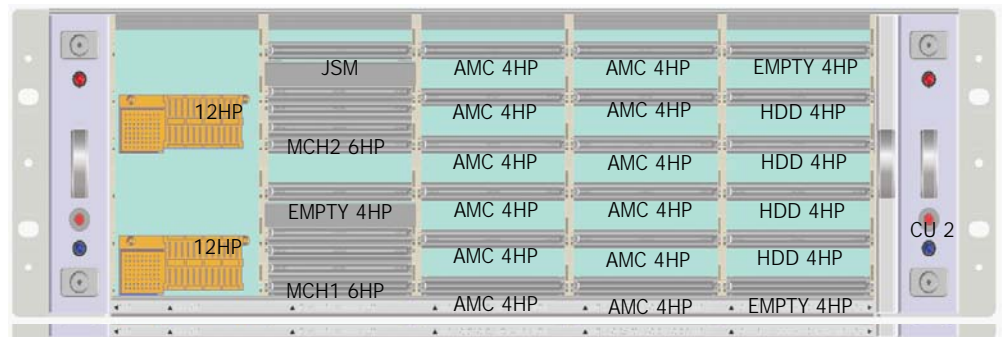
FEATURES

- 19" rackmount, low profile MicroTCA chassis
- Accommodates 12 AMCs (single/mid size), 4 HDD with SATA connectivity, 2 PMs (600W), 2 MCHs, 1 JSM, and 3 spare slots
- Redundant push/pull managed Cooling Units (CUs) – pluggable
- CU's feature 42 CFM of airflow each with hotswap switch, fan fail indicator, and ergonomic handles
- Separately removable filter tray with 45 PPI NEBS grade filter
- Dual ESD jacks in front

The 3U MicroSlim chassis is the 2nd in the line of low-profile MicroTCA enclosures. The unit offers impressive performance in a horizontally-mounted 3U height. The side-to-side airflow features two powerful Cooling Units with 4 individual fans each in a pull/pull configuration. The pluggable fans offer 42 CFM of airflow each with LEDs for hotswap and fanfail. Thermal simulation confirms excellent cooling performance.

The chassis features full redundancy and pluggability. This includes the Cooling Units, MCH's, ESD Jacks, and Power Modules. The 3U MicroSlim is powered with two 600W power modules. Other features include accommodations for a JTAG Switch Module, NEBS-grade filters, and an attractive painted finish.

CHASSIS CONFIGURATION

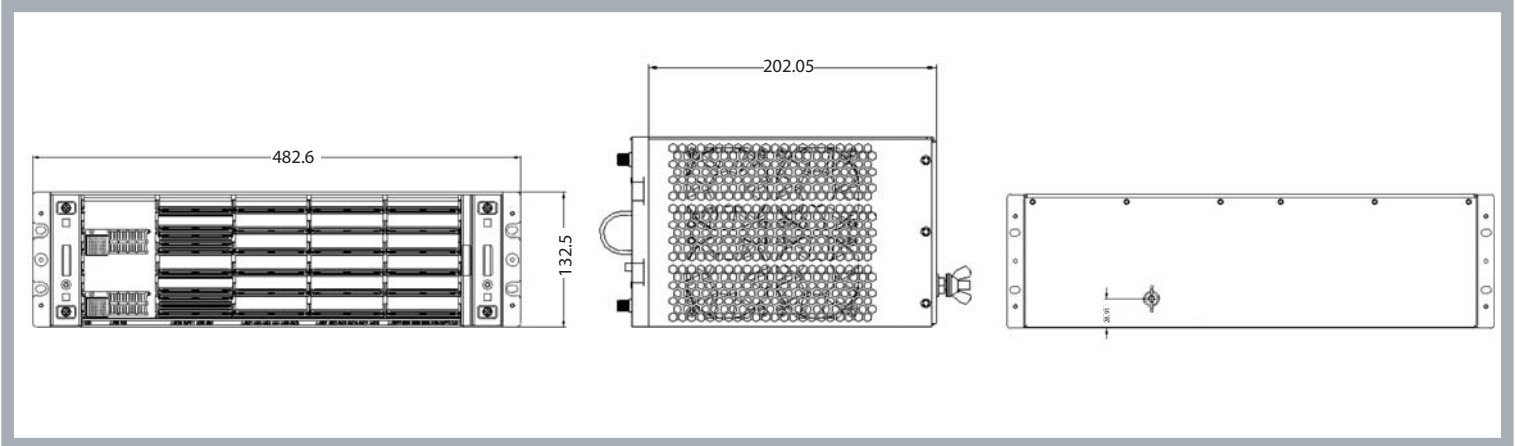


MicroTCA MicroSlim BACKPLANE

- 24 layer MicroTCA backplane
- Slots for 12 AMCs (single/mid size), 4 HDD with SATA connectivity, 2 PMs (600W), 2 MCHs, 1 JSM, and 3 spare
- 5.072" high x 17.539" wide
- PCB .185" thick
- Optimized via signal integrity studies

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Line Drawings



Environmental Specifications

	Operating	Storage/Transit
Temperature:	0°C to +50°C	-20°C to +70°C
Altitude:	6000 ft. (1,829m)	50,000 ft. (15,240m)
Humidity:	5% to 95% Non condensing	5% to 95% Non condensing
Shock:	10 G's @ 11ms	15 G's @ 11ms (per ASTM 0775)
Vibration:	1.0 G's @ 10 to 330 Hz	1.2 G's @ 5 to 330 Hz
Agencies:	Designed to meet UL 1950, FCC, A, B, CE	

Order Information

Description	Model Number
Type 39M, MicroTCA MicroSlim Shelf	39M12S4L372HMXXXR
<ul style="list-style-type: none"> • 3U H x 87HP W x 210mm D • 12 AMC slots (mid-size/single) • 2x 600W, 48VDC input Power Modules • System Management and Diagnostics: 1 MCH, 1 JSM • 2x plug removable Cooling Units (42CFM/ea) • 20 layer, Dual Star backplane 	
Type 39M, MicroTCA MicroSlim Shelf	39M12S4L372HPXXXR
<ul style="list-style-type: none"> • 3U H x 87HP W x 210mm D • 12 AMC slots (mid-size/single) • 2x 600W, 48VDC input Power Modules • System Management and Diagnostics: 1 MCH, 1 JSM • 2x plug removable Cooling Units (42CFM/ea) • 20 layer, Dual Star backplane 	
Dual Star MicroSlim Backplane	69-12DL-6-2-2??
<ul style="list-style-type: none"> • Complies to PICMG MicroTCA.0 Rev. 1.0 • 5.072" high x 17.539" wide • Compression style connector • Connectors for cooling units • 20 layer MicroTCA backplane • Slots for 12 AMCs (single/mid size), 4 HDD with SATA connectivity, 2 PMs (600W), 2 MCHs, 1 JSM, and 3 spare 	

