



V Rose Microsystems, Inc.

www.vrosemicrosystems.com

VRM-mTCA-2U-BM

Product Data Sheet

Overview:

The VRM-mTCA-2U-BM 2U MicroTCA enclosure offers system designers the most performance per U in a fully redundant configuration. Twelve AdvancedMC (AMC) slots give users the flexibility to configure for a wide range of applications, enterprise, industrial control, telecom, wireless, and others. Unique card guide design eases the insertion/removal of AMC cards. The replaceable, redundant fabric backplane improves the serviceability of the system. It equips with a higher performance cooling unit – over 200 CFM of airflow through the chassis – for better thermal profile.

If your applications demanded the highest computing performance with space and power constraint, The VRM-mTCA-2U-BM is your solution.

Features:

- Horizontal-mounted six slots 1U 19" rack-mounted enclosure
- 380W or 760W DC Managed power supply
- Supporting Full, Mid, or Compact AMCs
- Up to two redundant hot swappable managed cooling units
- Removable air filters
- 2U 19" EIA rack mount
- Up to 12 AMC slots
- 2 MCH slot
- 2 Power module (PM) slot
- 1 2HP JTAG switch module (JSM) slot
- Up to 2 hot swappable cooling units (CU)
- Maximum 60W per AMC slot
- Maximum 60W per MCH slot
- Removable air filter
- Patented card rail design for ease of insertion/removal AMC



Cooling Units

- 8 push-pull fans per CU with each fan rated at 20CFM
- Individual-controlled fan speed
- Straight through side-to-side cooling
- Fully managed, redundant, and hot swappable
- Monitored fan power for early failure detection
- Air filter removed detection
- Mini-USB Diagnostic port

Power Module

- MicroBlade Panther 380 or 760 PM compatible
- 365W or 740W typical output power
- -48V or -60V DC
- Mini-USB diagnostic port

Filler Panel (Optional)

- Compact, Mid, and Full front panel
- Insertion/extraction mechanics
- Optimized air flow

Default Configuration

- One (1) Panther 380 PM
- One (1) Cooling Unit + Air Filter

Environmental and Regulatory Compliances

- Operating Temperature: 5C to 40C
- Storage Temperature: -45C to 85C
- Shock and Vibration: Level DL1, IEC 61587-1
- FCC Part15 Class A, EN 55022, EN 55024

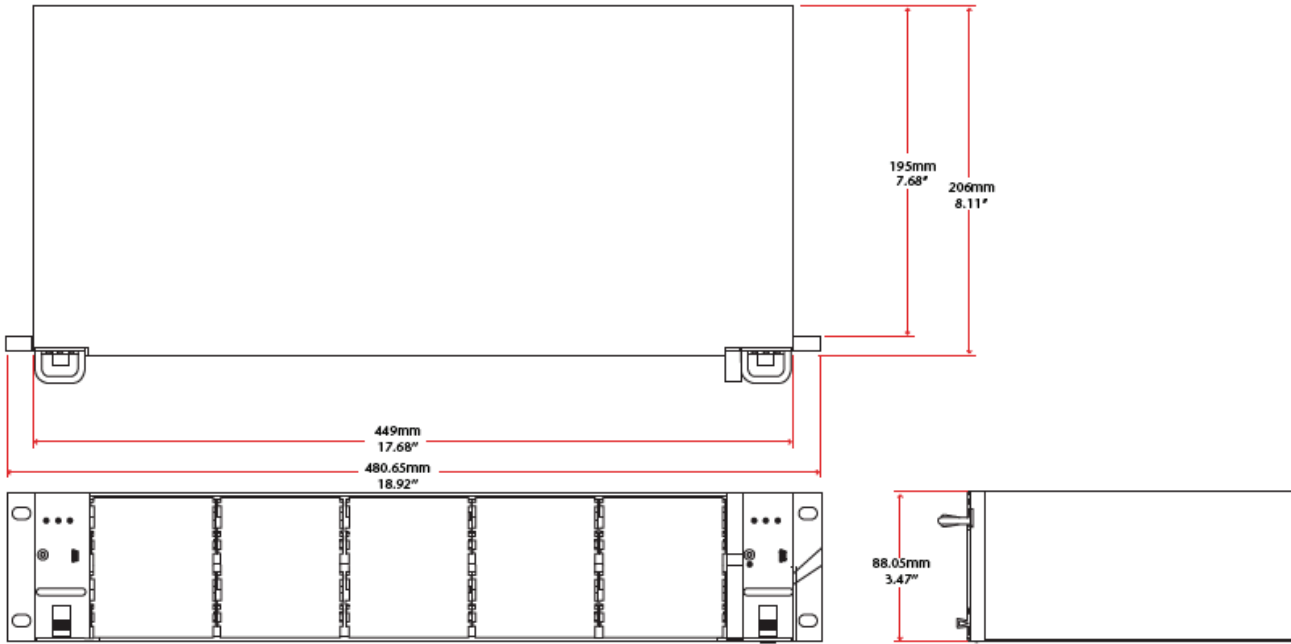


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CU 1	PM2	AMC4 Mid-Size Single	AMC8 Mid-Size Single	AMC12 Mid-Size Single	MCH2	CU 2
	Filler Panel or HDD	AMC3 Mid-Size Single	AMC7 Mid-Size Single	AMC11 Mid-Size Single	Filler Panel or HDD	
	PM1	AMC2 Mid-Size Single	AMC6 Mid-Size Single	AMC10 Mid-Size Single	MCH1	
	JSM	AMC1 Mid-Size Single	AMC5 Mid-Size Single	AMC9 Mid-Size Single	Filler Panel or HDD	

