



Overview:

The **VRM-C8-THR-03** is an 8-slot CompactPCI enclosure for rack or panel mounting. This 9U high enclosure provides eight 6U card slots, and has a drive bay that can accommodate devices and peripherals such as floppy disk drives and hard disk drives. The **VRM-C8-THR-03** has three cooling fans to provide forced cooling air in the system. These three fans are individually hot swappable, and users can directly replace any of the fans without interrupting the system's operation. The **VRM-C8-THR-03** provides a 300W redundant power supply for mission critical applications. The **VRM-C8-THR-03** is integrated with a backplane and an alarm module.



Features:

- Eight 6U card slots
- Supports front and rear I/O
- Supports H.110 CT bus
- Drive bay accommodates up to 4 devices, secured by a lockable door
 - 300W redundant power supply
 - Hot-swap compliant backplane
 - Hot-swap fans
 - Integrated intelligent fault detection and alarm module
 - **Construction:** Aluminum frame and galvanized sheet steel
 - **Drive bay:** Accommodates up to three 5.25"/3.5" drives and one 3.5" floppy disk drive, front removable
- 12-slot space (48 TE), incl. 7 CompactPCI slots and one system slot
- "Hot swappable" platform complies with PICMG 2.1 R 1.0 Hot Swap Specification
- **Dimensions** (W x H x D, mounting flanges not included):
9U: 440 x 400 x 342 mm (17.3" x 16" x 13.5")
- **Weight:** 16 kh
- **Operating temperature:** 0 ~ 50° C (32 ~ 122° F)
- **Storage temperature:** -20° C ~ 60° C (-4 ~ 158° F)
- **Relative humidity:** 10 ~ 95% @ 40° C, non-condensing
- **Operating altitude:** 0 ~ 3,048 meters (0 ~ 10,000 feet)

- **Storage/transit altitude:** 0 ~ 12,190 meters (40,000 feet)
- **Shock:** 10 G (operating); 30 G (storage/transit)
- **Random vibration:** 1.0 Grms (operating)

Hot-swap Fans

- **Air flow:** Three 86-CFM fans, providing 258 CFM in total
- **Power consumption:** 0.45 A @ 12 V per fan, 1.3 A total
- **Rated fan speed:** 2170 rpm
- **Life expectancy:** 50,000 hours @ 25° C

Power Supply

- **Input:** 90 ~ 264 @ 47 ~ 63 Hz, switchable
- **Output:** +3.3 V @ 22 A, +5 V @ 30 A, +12 V @ 13 A, -12 V @ 1.0 A
- **Minimum load:** +3.3 V @ 0.3 A, +5V @ 2 A, +12 V @ 0.5 A
- **Max output:** 300 W + 300 W redundant, 160 W for 5 V and 3.3 V
- **MTBF:** 100,000 hours @ 70% load

Safety: UL/CUL/CE.