



V Rose Microsystems, Inc.

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VRM-cPCIS-3100

Product Data Sheet

Overview:

- Standard 6U CompactPCI and PICMG 2.5 H.110 CT Bus
- PICMG 2.1 Hot Swap compliant 32-bit or 64-bit 8-slot CompactPCI backplane with P3 & P5 rear I/O
- One cPCI segment, right-hand-side system slot
- Built-in AC-input dual redundant power supplies
- One 3.5" and three 5.25" drive bays
- Alarm module for monitoring chassis temperature and fan status
- Switch, drive bays, and redundant power supply are protected by secure door
- Redundant cooling architecture
- Designed for NEBS Level 3 installation



Features:

Enclosure: EIA RS-310C 19" 8U high rack-mount enclosure, Coated metal plate outer covering, Switch, drive bays and redundant power supply are protected by door.

Form Factor: 6U CompactPCI

CompactPCI Standards: 2.0 R3.0, 2.1 R2.0, 2.5 R1.0, 2.9 R1.0, 2.11 R1.0

Backplane: cPCI BUS: 32-bit/64-bit 33MHz, System Slot: 1, Peripheral Slot: 7, H.110 CT Bus: Comply with all peripheral slots, Rear I/O: All slots support P3, P4, P5 read I/O with AB-type shroud, V(I/O): 3.3V or 5V selectable, Power Input: ATX connector x 3 DC screw terminals.

Alarm Mode: LED indications show power voltage status on 5V, 3.3V, 12V and -12V fan, temperature. Monitors inner chassis temperature, voltage and fan status. Abnormal status will generate alarm and LED warning. Alarm select.

Power Supply:

- EPR-2308S: 300W + 300W N+1 Redundant Power Supply with cooling fan.
- RAM-280: 400W+ 400W N+1 Redundant Power Supply with cooling fan.

Cooling System: 2 bottom fans, 2 top blowers, 1 fan for rear access exhaust.

Dimensions: 482.6 x 354.8 x 365 (mm, W x H x D)

Weight: 26.1kg(including 300W power supply)

Operating Temperature: 0 to 45C

Storage Temperature: -20 to 80C

Humidity: 5% to 95% non-condensed

Shock: 15G peak-to-peak, 100ms duration, non operation

Vibration: 1.88 Grms, 5-500Hz each axis (non operation) .5Grms, 5-500Hz each axis, tested with 2.5" HDD

Ordering:

VRM-cPCIS-3120/300FCR: 8U 32-bit 8-slot & Rear I/O CTI Chassis with 300W Redundant PSU, FDD, CD-ROM, HDD rack (w/o HDD)

VRM-cPCIS-3120/400FCR: 8U 32-bit 8-slot & Rear I/O CTI Chassis with 400W Redundant PSU, FDD, CD-ROM, HDD rack (w/o HDD)

VRM-cPCIS-3140/300FCR: 8U 64-bit 8-slot & Rear I/O CTI Chassis with 300W Redundant PSU, FDD, CD-ROM, HDD rack (w/o HDD)

VRM-cPCIS-3140/400FCR: 8U 64-bit 8-slot & Rear I/O CTI Chassis with 400W Redundant PSU, FDD, CD-ROM, HDD rack (w/o HDD)

VRM-cPCIS-3120/D300FCR: 8U 32-bit 8-slot & Rear I/O CTI Chassis with 300W Redundant PSU, FDD, CD-ROM, HDD rack (w/o HDD) , dual AC-Inlet

VRM-cPCIS-3140/D300FCR: 8U 64-bit 8-slot & Rear I/O CTI Chassis with 300W Redundant PSU, FDD, CD-ROM, HDD rack (w/o HDD), dual AC-Inlet