

RUGGED VME PLUG-IN STORAGE MODULE WITH DUAL REMOVABLE HOT-SWAP DISK DRIVES



Phoenix International delivers rugged VME storage solutions for dependable uninterrupted operation. This COTS equipment, by an ISO9001:2000 Certified SDVOSB, meets or exceeds any industry standard for these products.

REMOVABLE HARD DISK DRIVES

The VL1-250-SC-RHD allows the user to remove either (or both) hard disk drive from a standard single slot (4HP) 6U plug-in VME module.

This unique product solves the problem of portability in transporting a data storage device (by itself) for secure or archival storage off-line or for transferring data files to operating storage arrays, servers or host platforms. Receiving frames or entire chassis for any of these external repositories are also available from Phoenix International.

All standard Phoenix VME module features including SCSI connections from the front panel and/or the VME backplane P2 connector, automatic internal bus termination, front panel ID select and activity indicator are part of this unit package.



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TECHNICAL SPECIFICATIONS*

FEATURES:

- Transparent to any OS ("Plug and Play")
- Ultra320 LVD SCSI Interface
- HDD's to 10K RPM
- RAID1 (mirroring) Ready
- Removable HDDs Allows Immediate Transport of Large Data Files ("Sneaker Net")
- Removable HDD Provides Portability for Secure Storage
- Rugged Steel Construction
- Keylock "Soft" Power (eliminates power spikes)
- Automatic Internal "Sensi-Term" Termination
- Scalable to Highest Capacity HDDs Available
- Integral Heat Sink
- Front Panel SCSI ID select and Activity indicator
- SCSI Connection Via Front Panel VHDCI and/or P2 connectors
- 1,400,000 Hour MTBF
- 3 Year Warranty

ELECTRICAL SPECIFICATIONS:

Power:

- +5VDC 0.130A (max) in addition to device current (.81A typical per HDD)
- +12VDC mounted device only (0.34A typical per HDD)

Typical Usage 5.1 Watts per HDD

PHYSICAL SPECIFICATIONS:

Size:

- 160mm x 234mm (6U Double Eurocard)
- 4HP (1 Standard Slot)

Construction:

- Double-sided FR4 PCB and Steel Chassis

ENVIRONMENTAL SPECIFICATIONS:

Temperature:

- 5 C to 55 C Inlet Air (Operating)
- -40 C to 70 C (Non-operating)

Humidity:

- 95% RH Non-condensing

Altitude:

- 0 to 12,000 ft Operating, 0 to 40,000 ft Non-operating

SHOCK AND VIBRATION:

Shock:

- 60 G @ 2 msec (operating)
- 275 G @ 2 msec (non-operating)

Vibration:

- 5-400Hz @ 1.50 G (operating)
- 5-500 Hz @ 3.00 G (non-operating)

Phoenix International

Phoenix International is an ISO 9001:2000 certified SDVOSB HubZone company that designs and manufactures rugged COTS data storage products. Their fault tolerant rackmount systems are MIL-STD-901D and NEBS certified and provide multiple channel 4 Gb fibre channel, Ultra 320 SCSI and gigabit ethernet connectivity. RAID controllers, disk drives, power supplies and cooling fans are all redundant and hot-swappable. These systems range in size and application from multi-terabyte Fibre Channel RAID, Storage Area Network (SAN) and array configurations to conduction cooled plug-in VME and Compact PCI Solid State (Flash) storage modules.

ISO 9001:2000 CERTIFIED

Phoenix International is an ISO 9001:2000 certified manufacturer. This certification reflects maintenance of standards of quality recognized and respected throughout the world.



Phoenix Family of Storage Solutions

