

# Rugged Ultra320 SCSI VME Plug-In Storage Modules



Phoenix International delivers rugged, high performance 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.

## Ultra320 VME Storage

Both the VL1-250-SC-DS-X single slot model and the VL2-350-DS-X two slot model feature the latest technology that delivers the first plug-in VME storage module attaining 320MB/sec speed, with the two slot model offering capacity up to 600GB.

The Ultra320 modules offer data transfer rates significantly higher than other products in the market, making them a superior VME storage module for high speed data acquisition and imaging applications. The single slot model can be configured with up to two each 73 GB, 10K RPM disks; the two slot model with up to two each 300 GB, 10K RPM disks or up to two each 147GB, 15K RPM Disks.

Phoenix's Ultra 320 SCSI VME Storage Modules offer the flexibility of LVD technology and include the most comprehensive set of performance features for VME products in the industry.



# Rugged Ultra320 SCSI VME Plug-In Storage Modules

## TECHNICAL SPECIFICATIONS

### FEATURES

- Transparent to any OS ("Plug and Play")
- Ultra320 SCSI Interface
- Backward Compatible with Single-Ended SCSI
- 6U Single or Two Slot Form Factor
- Single or Dual HDDs
- HDD's to 15,000RPM
- Rugged Steel Construction
- Automatic Internal "Sensi-Term" Termination
- RAID 0,1 Ready
- Scalable to Highest Capacity HDDs Available
- Integral Heat Sink
- Front Panel SCSI ID select and Activity indicator
- SCSI Connection Via Front Panel and/or P2 connectors
- Enhanced Error Correction Code
- 1,400,000 Hour MTBF
- Available Conformal Coating
- 3 Year Warranty

### SINGLE SLOT VL1-250-SC-DS

#### Electrical Specifications

Power: +5VDC 0.130A (max) in addition to device current (.81A typical)  
+12VDC mounted device only (0.34A typical)  
Typical Usage 5.1 Watts

#### Physical Specifications

Size: 160mm x 234mm (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: 8% to 90% RH Non-condensing  
Altitude: 0 to 12,000 ft Operating  
0 to 40,000 ft Non-operating

#### Shock and Vibration

Shock: 60 G (operating)  
275 G (non-operating)  
Maximum duration of 2 msec (half sinewave)  
Vibration: < 400Hz @ 0.5 G (operating)  
< 350Hz @ 2.00 G (non-operating)

### PHOENIX INTERNATIONAL

Phoenix International is an ISO 9001:2000 certified SDVOSB 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 2 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 RAID, Storage Area Network (SAN) and array configurations to plug-in VME and Compact PCI storage modules.



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### TWO SLOT VL2-350-SC-DS

#### Electrical Specifications

Power: +5VDC 0.130A (max) in addition to device current (.68A typical)  
+12VDC mounted device only (1.09A typical)  
Typical Usage 16.4 Watts

#### Physical Specifications

Size: 160mm x 234mm (Double Eurocard)  
8HP (2 Standard Slots)  
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: 8% to 90% RH Non-condensing  
Altitude: 0 to 12,000 ft Operating  
0 to 40,000 ft Non-operating

#### Shock and Vibration

Shock: 60 G (operating)  
225 G (non-operating)  
Maximum duration of 2 msec (half sinewave)  
Vibration: 5-500Hz @ 1G (operating)  
22-500 Hz @ 3.00 G (non-operating)



Phoenix Family of Storage Solutions



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