



VME SCSI Ultra3 Solid State Drive Module Commercial Temperature Operating Temperature Range: 0C to +70C



Model RRT-1SFS-LW VME SCSI Ultra3 SSD Module

Provides up to 768GB
configured as one SCSI drive
in a single 6U VMEbus Slot.

Provides transparent
interface from the SCSI bus
to SATA solid state drives.

Offers solid state, drop-in
replacement for mechanical
hard drives.

Ultra3 SCSI interface
supports 8-bit narrow/16-bit
wide, single ended SE/ low
voltage differential LVD
modes.

Red Rock Technologies' VME SCSI Ultra3 SSD module features:

- Fast, efficient field replacement.
- Ideal for extreme shock & vibration environments.
- High density mass storage within the VME card cage.
- High performance SCSI Ultra3 transfer rates.
- Compatible with all CPU's with a SCSI controller.
- No additional software required.
- SCSI bus connections via the P2 connector and/or 68-pin front panel connector.
- P2 adapter accessory available.
- Power supplied from VMEbus, no separate power supply required.
- Front panel activity LEDs.
- SCSI termination can be enabled within module.
- SCSI ID selection 0 – 15.

SPECIFICATIONS

VME SCSI Ultra3 SSD Module Specifications

Capacity:	Up to 768 GB
Interface:	Ultra3 SCSI interface compatible with any SCSI controller. Supports wide/narrow and single ended (SE)/low voltage differential (LVD) modes.
Throughput, Continuous Sequential	100 MB/S Read, 80 MB/S Write.
Sector Size:	512 Bytes
Power: +5 VDC (+/- 5%)	1.5A typical, 2.0A Max.
Environment:	
Ambient Temperature	
Operating	0° to 70° C
Operating (Optional)	-40° to 85° C
Non-operating	-40° to 85° C
Relative Humidity	
Operating	8% to 95%
Non-operating	8% to 95%
Shock (operating and non-operating)	
Base module	Not rated. Designed for shock resistance.
Onboard drive only	1,000G, Half-sine, 0.5ms duration, MIL-STD-810F.
Vibration (operating and non-operating)	
Base module	Not rated. Designed for vibration resistance.
Onboard drive only	16.3 RMS, MIL-STD-810F.
Altitude	
Operating	80,000 feet. MIL-STD-810F
Reliability	
MTBF for base module	Estimated 160,000+ hours @ 25° C
MTBF for onboard Flash	Estimated 4,000,000 hours @ 25° C
VME Interface:	
BUSGRNT and IACK shunted to next slot. Power taken from the VMEbus. No VMEbus interface.	
Mechanical:	
VME Form Factor	Single slot VMEbus 6U size
Weight:	
Base Module	21 oz. Max.
Each drive	9 oz.
Each drive	4 oz.
Electrical Rating:	Designed to meet UL requirements.

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