



VME SCSI Ultra2 SSD Module

Extended Temperature

Operating Temperature Range: -40C to +85C



Model RRT-1SFS-LW-X VME SCSI Ultra2 SSD Module

Provides up to 768MB
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.

Ultra2 SCSI interface
supports 8-bit narrow/16-bit
wide, single ended SE/ low
voltage differential LVD
modes.

Red Rock Technologies' VME SCSI Ultra2 SSD module features:

- Fast, efficient field replacement.
- Ideal for extreme temperature, shock & vibration environments.
- High density mass storage within the VME card cage.
- High performance SCSI Ultra2 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 Ultra2 SSD Module Specifications

Capacity:	Up to 768 GB
Interface:	Ultra2 SCSI interface compatible with any SCSI controller. Supports wide/narrow and single ended (SE)/low voltage differential (LVD) modes.
Throughput, Continuous Sequential	75 MB/S Read, 75 MB/S Write.
Sector Size:	512 Bytes
Power: +5 VDC (+/- 5%)	1.5A typical, 2.0A Max.
Environment: Ambient Temperature Operating Non-operating	-40° to 85° C -40° to 85° C
Relative Humidity Operating Non-operating	8% to 95% 8% to 95%
Shock (operating and non-operating) Base module Onboard drive only	Not rated. Designed for shock resistance. 1,000G, Half-sine, 0.5ms duration, MIL-STD-810F.
Vibration (operating and non-operating) Base module Onboard drive only	Not rated. Designed for vibration resistance. 16.3 RMS, MIL-STD-810F.
Altitude Operating	80,000 feet. MIL-STD-810F
Reliability MTBF for base module MTBF for onboard Flash	Estimated 160,000+ hours @ 25° C Estimated 3,000,000 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 Each drive	21 oz. Max. 9 oz. 4 oz
Electrical Rating:	Designed to meet UL requirements.

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