



# VME SATA Solid State Drive Module Extended Temperature

Operating Temperature Range: -40C to +85C



## Model RRT-1SATAF-X VME SATA SSD Module

Capacity of up to 768GB in a single 6U VMEbus Slot.

SATA 2 compliant interface with speeds up to 3Gbits/S.

### *Red Rock Technologies' VME SATA 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 SATA 2 transfer rates.
- Lower power consumption than mechanical hard drive equivalent.
- Compatible with all CPUs with a SATA controller.
- SATA bus connections can be made via the P2 connector or front panel connector.
- No additional software/drivers required.
- P2 adapter accessory available.
- Power supplied from VMEbus, no separate power supply required.

## SPECIFICATIONS

### VME SATA SSD Module Specifications

<b>Capacity:</b>	up to 256GB per drive, 768GB max with 3 drives.
<b>Interface:</b>	SATA 2. Compatible with SATA 1.
<b>Throughput, Sustained</b>	Silicon Drive III - Read 100 MB/S, Write 80 MB/S
<b>Sector Size:</b>	512 Bytes
<b>Power (per drive):</b> +5 VDC (+/- 5%)	0.5 A Max
<b>Environment:</b> Ambient Temperature Operating Non-operating	 -40° to 85° C -55° to 125° C
Relative Humidity Operating Non-operating	 8% to 95% 8% to 95%
Shock Base module Onboard drive only	 Not rated. Designed for shock resistance. 1,000G, Half-sine, 0.5ms duration, MIL-STD-810F.
Vibration Base module Onboard drive only	 Not rated. Designed for vibration resistance. 16.3 RMS, MIL-STD-810F.
Altitude Operating	 80,000 feet
Reliability MTBF for base module MTBF for onboard drive	 Estimated 160,000+ hours @ 25° C Estimated 3,000,000 hours @ 25° C
<b>VME Interface:</b>	BUSGRNT and IACK shunted to next slot. Power taken from the VMEbus. No VMEbus interface.
<b>Mechanical:</b> VME Form Factor	 Single slot VMEbus 6U size
<b>Weight:</b> Base Module Each drive	 21 oz. Max. 9 oz. 4 oz
<b>Electrical Rating:</b>	Designed to meet UL requirements.

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