



# VME SATA Solid State Drive Module Commercial Temperature Operating Temperature Range: 0C to +70C



## Model RRT-1SATAF 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 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 CPU's with a SATA controller.
- SATA bus connections can be made via the P2 connector or front panel connector.
- No additional software 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</b>	WD Silicon Drive III- Read 100 MB/S, Write 80 MB/S Intel X25-E - Read 250 MB/S, Write 170 MB/S. Foremay SC-199 - Read 250 MB/S, Write 250 MB/S.
<b>Sector Size:</b>	512 Bytes
<b>Power (per drive):</b> +5 VDC (+/- 5%)	0.4 A Max
<b>Environment:</b>	
Ambient Temperature	
Operating	0° to 70° C
Non-operating	-55° to 125° C
Relative Humidity	
Operating	8% to 95%
Non-operating	8% to 95%
Shock	
Base module	Not rated. Designed for shock resistance.
Onboard drive only	1,000G, Half-sine, 0.5ms duration, MIL-STD-810F.
Vibration	
Base module	Not rated. Designed for vibration resistance.
Onboard drive only	16.3 RMS, MIL-STD-810F.
Altitude	
Operating	80,000 feet
Reliability	
MTBF for base module	Estimated 160,000+ hours @ 25° C
MTBF for onboard drive	Estimated 4,000,000 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>	21 oz. Max.
Base Module	9 oz.
Each drive	4 oz
<b>Electrical Rating:</b>	Designed to meet UL requirements.

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