



# VME SATA Hard Drive Module

## Commercial Temperature

Operating Temperature Range: 0C to +60C



### Model RRT-1SATAH VME SATA Hard Drive Module

Capacity of up to 1.92TB in  
a single 6U VMEbus Slot.

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

#### *Red Rock Technologies' VME SATA Hard Drive Module features:*

- Fast, efficient field replacement.
- High density mass storage within the VME card cage.
- High performance SATA 2 transfer rates.
- 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 required.
- P2 adapter accessory available.
- Power supplied from VMEbus, no separate power supply required.

## SPECIFICATIONS

### VME SATA Hard Drive Module Specifications

<b>Capacity:</b>	640GB per drive, 1.92TB max with 3 drives.
<b>Interface:</b>	SATA 2. Compatible with SATA 1.
<b>Throughput, Sustained</b>	110 MB/S
<b>Sector Size:</b>	512 Bytes
<b>Power (per drive):</b>	
+5 VDC (+/- 5%)	
At powerup	1.0 A Max
Operational	0.6 A typical
Idle	0.2 A typical
<b>Environment:</b>	
Ambient Temperature	
Operating	0° to 60° C
Non-operating	-40° to 70° C
Relative Humidity	
Operating	5% to 95%
Non-operating	5% to 95%
Shock	
Base module	Not rated. Designed for shock resistance.
Operating (Drive only)	350G, 2mS
Non-operating (Drive only)	1000G, 1mS
Vibration	
Base module	Not rated. Designed for vibration resistance.
Operating (Drive only)	1 G (0 to peak, 5 to 500 Hz).
Non-operating (Drive only)	5 G (0 to peak, 5 to 500 Hz).
Altitude	
Operating	10,000 feet
Non-operating	40,000 feet
Reliability	
MTBF for onboard drive	Estimated 500,000 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	21 oz. Max.
Each drive	9 oz.
	4 oz
<b>Electrical Rating:</b>	Designed to meet UL requirements.

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