



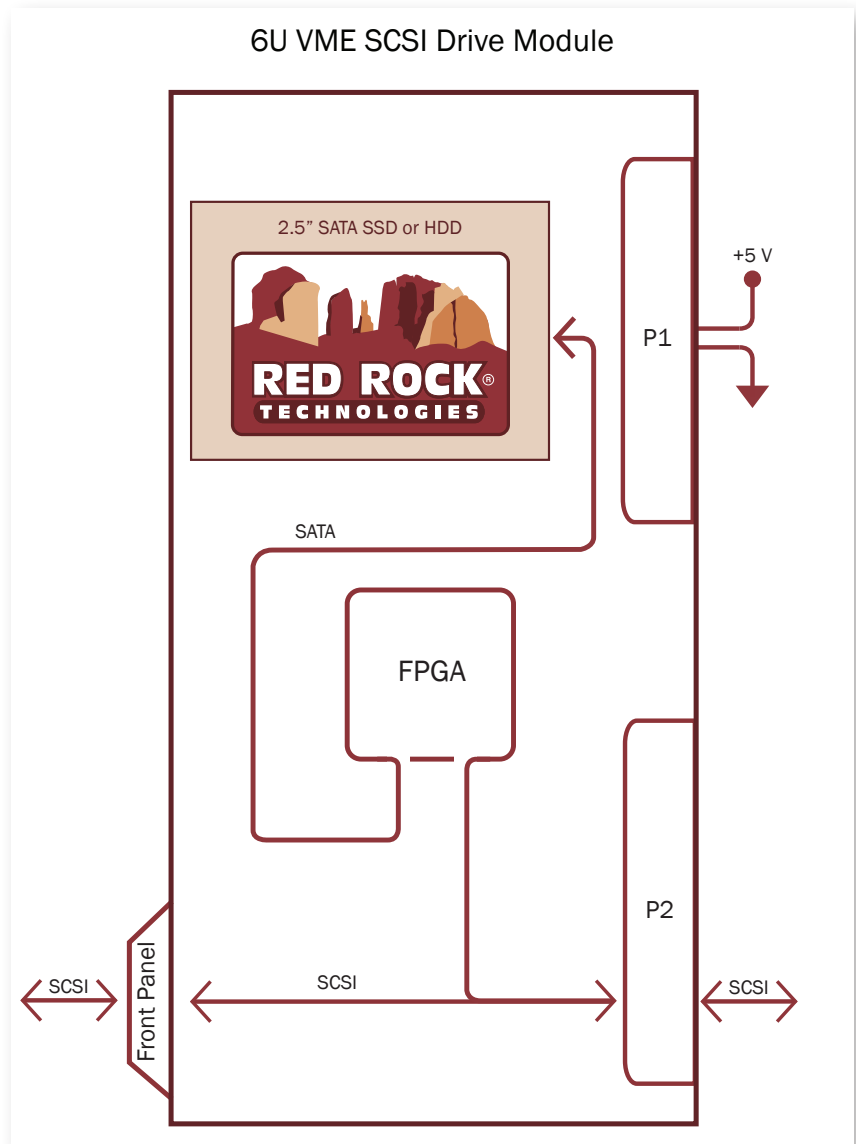
RRT-6UVME-SCSI 6U VME SCSI Drive Module

THE 6U VME SCSI DRIVE MODULE provides a transparent interface from the SCSI bus to a COTS 2.5" SATA Hard Disk Drive (HDD) or Solid State Drive (SSD) with a range of capacity, speed, environmental and cost options.

Capacities up to 16TB in a single 6U VME slot. Ultra 2 SCSI interface supports 8-bit narrow/16-bit wide, single-ended SE or low voltage differential LVD modes. Options for discrete controlled secure erase.



- Capacities up to 16 TB
- 80 MB/s transfer rates
- SCSI interfaces via VME P2 and/or front panel connector
- Provides boot disk and/or disk storage
- Compatible with all CPUs with a SCSI controller
- SCSI termination can be enabled within module
- SCSI ID selection 0 - 15
- Military erase options
- P2 adapter accessory available
- ROHS compliant



Ordering Information

Drive Module

RRT-6UVME-SCSI-MLC - 480GB - UR - X - FE

Requirements

Disk Type

HDD	Hard Disk Drive
SLC	Single Level Cell NAND FLASH SSD
MLC	Multi Level Cell NAND FLASH SSD
TLC	3D NAND FLASH SSD

Capacity

1TB - 5TB	For HDD
7GB - 240GB	For SLC
60GB - 16TB	For MLC
120GB - 8TB	For TLC

Options May be left blank

Conformal Coating

UR	Polyurethane
AR	Acrylic

Extended Temperature Range

X	-40°C to 85°C
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Erase Types

FE	Fast Erase
SE1	NSA/CSS Manual 9-12 Erase
SE2	RCC-TG IRIG 106-07 Chapter 10 Erase

ORDER EXAMPLES

RRT-6UVME-SCSI-MLC-480GB-UR-X
RRT-6UVME-SCSI-HDD-500GB



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Product Specifications

6U VME SCSI DRIVE MODULE

PERFORMANCE

VERSION	HDD	SSD-TLC	SSD-MLC	SSD-SLC
CAPACITIES ¹	Up to 5TB	Up to 8TB	Up to 16TB	Up to 240GB
INTERFACE ²	16-bit Wide LVD (Low Voltage Differential) Ultra (Fast-20), Ultra 2 (Fast-40)			
THROUGHPUT - SUSTAINED	60 MB/S			
SECTOR SIZE	512 bytes			

RELIABILITY

MTBF - DRIVE (HOURS)	500,000 hours	1 million hours	3 million hours
MTBF - DRIVE CARRIER ³	3 million hours		
ENDURANCE (100GB SSD) TOTAL BYTES WRITTEN	Not applicable	70 TBW	350 TBW
DATA RETENTION	Not applicable	1 year ⁴	10 years ⁵

POWER

VOLTAGE	+5V +/- 5%		
WATTS (IDLE)	1 W	1.2 W	
WATTS (ACTIVE)	2.5 W		

ENVIRONMENTAL

OPERATING TEMP., VITA 47 CLASS	0 °C to 60 °C, AC1	0 °C to 70 °C, AC1	
EXTENDED OPERATING TEMP., VITA 47 CLASS	Not available	-40 °C to 85 °C, AC3	
STORAGE TEMP.	-40 °C to 70 °C	-40 °C to 85 °C	
ALTITUDE	10,000 ft. (3,000 meters)		80,000 ft. (24,000 meters)
RELATIVE HUMIDITY	5% to 95% non-condensing		
SHOCK, VITA 47 CLASS	20g, OS1		40g, OS2
VIBRATION, VITA 47 CLASS	0.04 g ² /Hz, V2		0.1 g ² /Hz, V3

PHYSICAL

FORM FACTOR	6U VME		
WEIGHT	11.3 oz. (320 g)		
PITCH	1.0"		

NOTES

(1) Larger capacities available as new COTS 2.5" drives released.			
(2) Interface connected via front panel or P2.			
(3) Telcordia SR-322, issue 3, operating temp (40 °C), electrical stress (50%), environmental factor (1.0)			
(4) MLC	10 years at 0% TBW ramping down to 1 year at 100% TBW		
(5) SLC	10 years at 10% TBW ramping down to 1 year at 100% TBW		



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