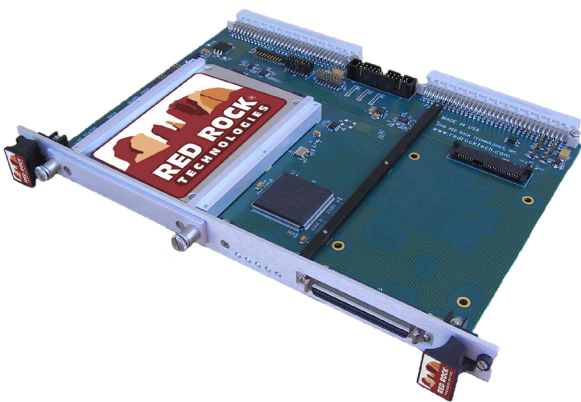




RRT-6UVME-SCSI-R 6U VME SCSI Carrier with Removable Drive Module

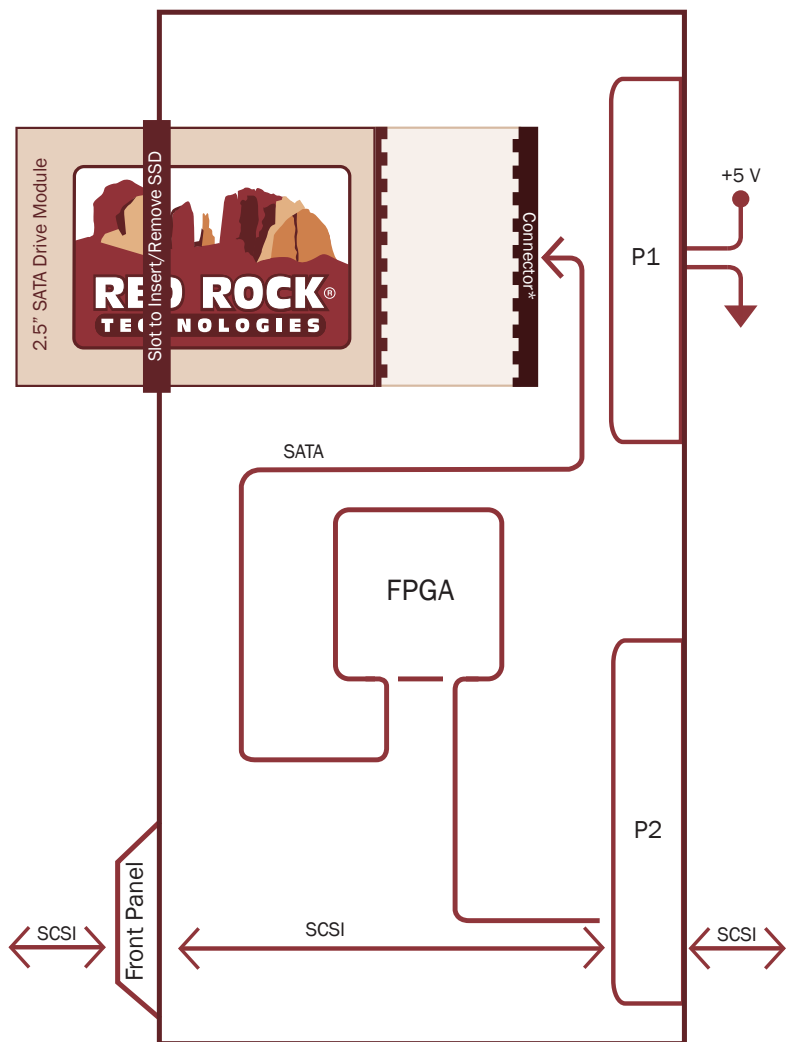
THE 6U VME SCSI CARRIER WITH REMOVABLE DRIVE MODULE provides a transparent interface from the SCSI bus to a COTS 2.5" SATA Hard Disk Drive (HDD) or Solid State Drive (SSD) with a range of capacity, speed, environmental and cost options.

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
- Removable drive module
- 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

6U VME SCSI Carrier with Removable Drive Module



Ordering Information

Carrier

RRT-6UVME-SCSI-R-UR - X

Options May be left blank

Conformal Coating

UR Polyurethane
AR Acrylic

Extended Temperature Range

X -40°C to 85°C

ORDER EXAMPLES

RRT-6UVME-SCSI-R-UR-X
RRT-6UVME-SCSI-R

Drive Module

RRT-6UVME-SCSI-DM - 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

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-DM-MLC-480GB-UR-X
RRT-6UVME-SCSI-DM-SLC-8GB-SE2

Product Specifications

6U VME SCSI CARRIER WITH REMOVABLE 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	14.1 oz. (400 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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