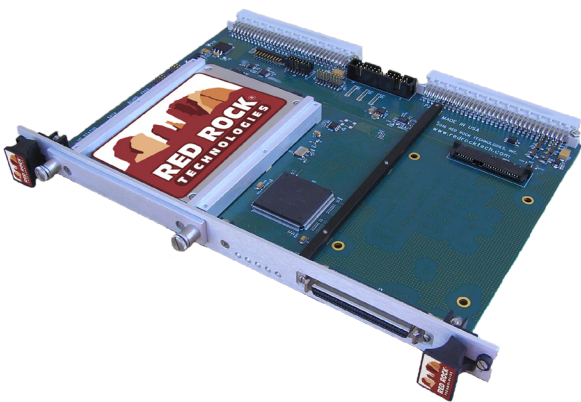




RRT-6UVME-SCSI-R 6U VME SCSI Carrier with Removable Drive Module

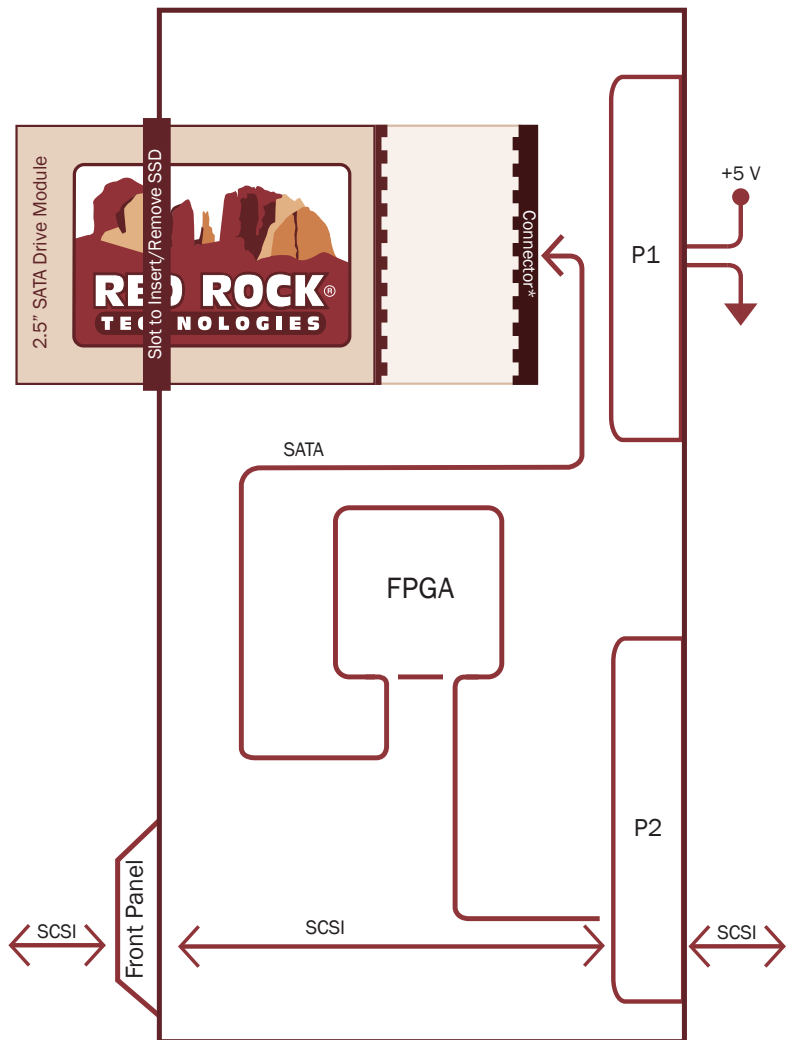
THE 6U VME SCSI CARRIER WITH REMOVABLE DRIVE MODULE provides a transparent interface from the SCSI bus to a COTS 2.5" SATA Hard Disk Drive (HDD) or Solid State Drive (SSD) with a range of capacity, speed, environmental and cost options.

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



Parhelia B.V.
www.parheliabv.com
☎ +31(0)10 741 00 28

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



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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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