



# VME SCSI Ultra3 Module With Removable Drive Modules Commercial Temperature Operating Temperature Range: 0C to +60C



## Model RRT-1SHS-LW-R VME SCSI Ultra3 Hard Drive Module

Up to 1.92TB of storage in a  
single 6U VMEbus Slot.

Provides transparent  
interface from the SCSI bus  
to 2.5" SATA hard drives.

Ultra3 SCSI interface  
supports 8-bit narrow/16-bit  
wide, single ended SE/ low  
voltage differential LVD  
modes.

RAID 0/1 options available.

### *Red Rock Technologies' VME SCSI Ultra3 Module with Removable Drive Modules features:*

- Fast, efficient field replacement.
- Ideal for higher shock & vibration environments.
- High density mass storage within the VME card cage.
- High performance SCSI Ultra3 transfer rates.
- Compatible with all CPU's with a SCSI controller.
- No additional software required.
- SCSI bus connections via the P2 connector and/or 68-pin front panel connector.
- P2 adapter accessory available.
- Power supplied from VMEbus, no separate power supply required.
- Front panel activity LEDs.
- SCSI termination can be enabled within module.
- SCSI ID selection 0 – 15.

# VME SCSI Ultra3 with Removable Drive Modules Specifications

<b>Capacity:</b>	Up to 1.92TB
<b>Interface:</b>	Ultra3 SCSI interface compatible with any SCSI controller. Supports wide/narrow and single ended (SE)/low voltage differential (LVD) modes.
<b>Throughput, Continuous Sequential</b>	110 MB/S Read, 110 MB/S Write.
<b>Sector Size:</b>	512 Bytes
<b>Power:</b> +5 VDC (+/- 5%)	1.5A typical, 3.0A Max.
<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)	800G, 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 base module	Estimated 160,000+ hours @ 25° C
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>	21 oz. Max.
Base Module	9 oz.
Each drive	4 oz
<b>Electrical Rating:</b>	Designed to meet UL requirements.

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