

6U VME SATA DVD with Fixed Drive Module



RRT-6U-VME-SATA- DVD-F

The 6U VME SATA drive module provides support for both a DVD drive and a fixed SATA SSD or hard drive

Modes of operation include DVD-ROM, DVD-R/W, CD-ROM and CD-R/W.

SATA2 compliant interface..

FEATURES INCLUDE

- SATA interface to front panel or VME P1 or P2 connector
- Provides removable boot disk and/or storage
- Compatible with off-the-shelf DVD/CD utility software
- Compatible with all CPUs with a SATA controller
- P2 adapter accessory available
- ROHS compliant
- Power supplied from VMEbus; no separate power supply required

Security Options

Several Security Options are available. Erase/destroy options invoked by command or by discrete input.

- Fast Erase sets all locations to set value.
- NSA/CSS Manual 9-12 Erase erases all locations, including bad blocks, then sets all locations to 0x55, and then internal verification is performed reading 1% of capacity confirming data pattern.
- RCC-TG IRIG 106-07 Chapter 10 Erase erases all locations, including bad blocks, then sets all locations to 0x55, then sets all locations to 0xAA, and finally erased.
- Drive Destroy performs erase of all NAND flash including internal SSD firmware, file system and tables, which makes the drive unusable and unreadable.

Ordering Information

RRT-6UVME-SATA-DVD-F - P2 - MLC - 480GB - FE - UR

SATA Interface

FP - Front Panel
P0 - VME P0 Connector
P2 - VME P2 Connector

Disk Type

SLC - Single Level SSD
MLC - Multi Level SSD
HDD - Hard Disk Drive

Capacity

Any capacity up to 2TB

Options May be left blank

Security Type

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

Conformal Coating

UR - polyurethane
AR - acrylic

Example: RRT-6UVME-SATA-DVD-F-FP-SLC-30GB-FE

Example: RRT-6UVME-SATA-DVD-F-P2-MLC-480GB-UR

6U VME SATA DVD Drive w/Fixed Drive Module Specifications

Performance				
Version	HDD	SSD - SLC	SSD - MLC	DVD
Capacities	Up to 2TB	Up to 480GB	Up to 1TB	Standard CD/DVD
Interface	SATA2			
Sector Size	512 bytes			
Reliability				
MTBF – VME Board	3,000,000 hours			
MTBF – HDD	500,000 hours			
MTBF - SSD	1,000,000-3,000,000 hours			
MTBF – DVD	60,000 hours			
Power				
Voltage	+5V +/- 5%			
Watts-idle	2.5W			
Watts-active	5W			
Environmental				
Temperature Operating	5° to 45°C			
Temperature Storage	-20° to 65°C			
Relative Humidity	8% to 80%			
Altitude	10,000 feet 3,000 metres			
Shock – Operating	5 G, 1mS; half sine			
Shock – Non Operating	60 G, 2mS; 200 G, 11mS; half sine			
Vibration – Operating	0.3 G horizontal, 0.2 G vertical, 5Hz to 500Hz to 10Hz, sine swept, 1.0 oct/min			
Vibration – Non Operating	2.0 G (zero to peak), 5Hz to 500Hz to 10Hz, sine swept, 1.0 oct/min			
Physical				
Form Factor	6U VME			
Weight	24oz (681g)			
Pitch	1.0"			

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