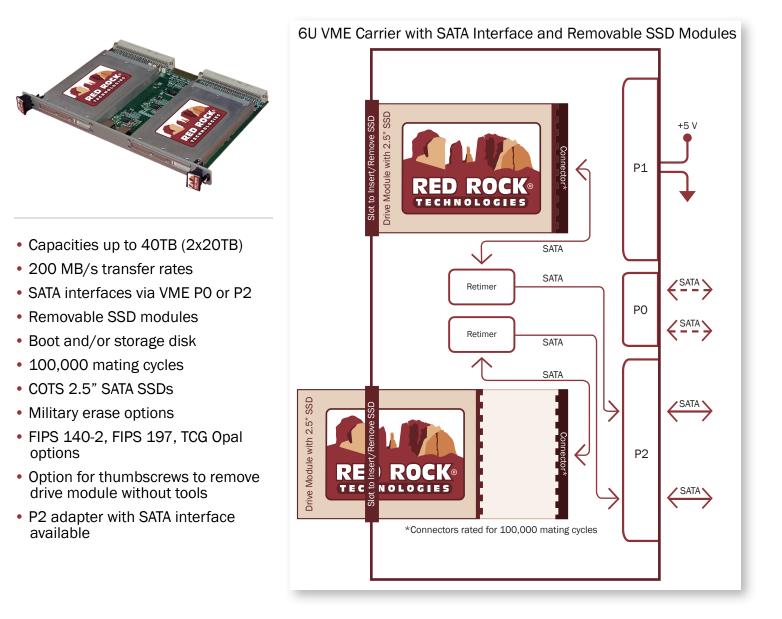
RRT-6UVME-SATA-R 6U VME Carrier with SATA Interface and Removable SSD Modules •] •] CHNOLOGIE

60 VME CARRIER WITH SATA INTERFACE AND REMOVABLE SSD MODULES is for applications that require the frequent removal of SSD, fast transfer rates and large capacities. It consists of two components: the 6U VME carrier board with SATA interface that mounts in one slot of 6U VME chassis and the removable SATA SSD Modules. The connectors between the drive module and the carrier are rated for 100,000 mating cycles to support frequent insertions and removals.

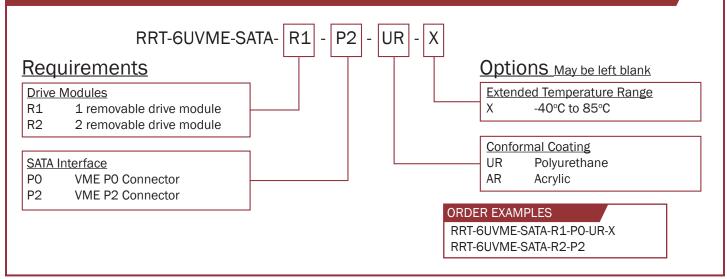
The drive module can use any COTS 2.5" SATA Solid State Drive (SSD) providing capacities up to 40TB (20TBx2) and transfer rates of up to 200MB/S. Options for FIPS140-2, FIPS197, TCG Opal, and military erase. Each drive has a separate SATA interface.

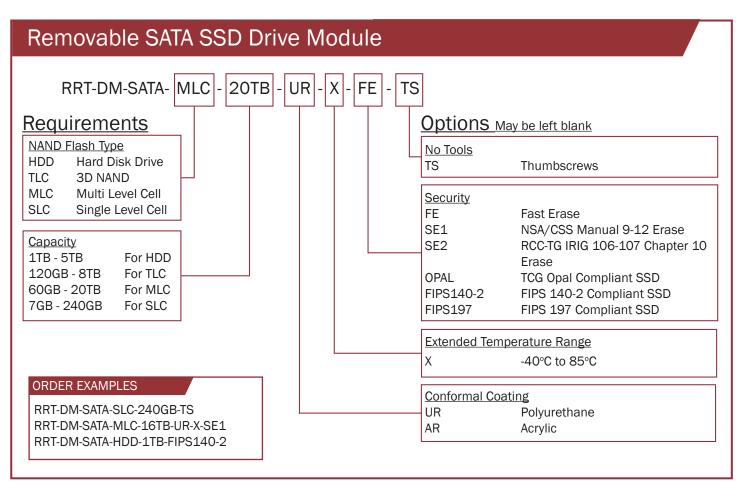


(480)-483-3777 •

Ordering Information

6U VME Carrier with SATA Interface





Product Specifications

6U VME CARRIER WITH SATA INTERFACE AND REMOVABLE SSD MODULES

		PERFORMA	NCE			
NAND FLASH TYPE	HDD	SSD: TLC	SSD: MLC	SSD: MLC-X	SSD: SLC	
CAPACITIES ¹	Up to 5TB	Up to 8TB	Up to 20TB		Up to 240GB	
INTERFACE ²	SATA2 (SATA 300)				·	
THROUGHPUT - SUSTAINED	130 MB/S	400 MB/S				
SECTOR SIZE	512 bytes					
		RELIABILI	TY			
MTBF - DRIVE	500,000 hours	1 million hours	2 million hours		3 million hours	
MTBF - DRIVE MODULE	3 million hours	•	•		•	
MTBF - CARRIER ³	3 million hours					
DATA RETENTION	Not applicable	1 year ⁴			10 years ⁵	
ENDURANCE (100GB) TOTAL BYTES WRITTEN	Not applicable	70 TBW			350 TBW	
CARRIER/DRIVE MODULE MATING CYCLES	100,000 mating o	cycles				
		POWER				
VOLTAGE	+5V +/- 5%					
WATTS (IDLE)	1 W	1.2 W	3.5 W		1 W	
WATTS (ACTIVE)	2.5 W	4 W	10 W		2.5 W	
		ENVIRONME	NTAL		·	
OPERATING TEMP.	5°C to 55°C	0°C to 60°C	0°C to 70°C	See MLC	0°C to 70°C	
EXTENDED OPERATING TEMP.	Not available	1	See MLC-X	-40°C to 85°C		
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)				000 meters)	
RELATIVE HUMIDITY	5% to 95% non-condensing					
SHOCK					40g, 11 millisecond terminal sawtooth pulse, OS2	
VIBRATION	0.04 g2/Hz, 5 Hz to 100 Hz, V1			0.1 g2/Hz, 100	0.1 g2/Hz, 100 Hz to 1000 Hz, V3	
	·	PHYSICA	L	·		
FORM FACTOR	6U VME					
WEIGHT	11 oz. (310 g) max for carrier, 8.5 oz. (245 g) max per drive module 28 oz. (800 g) max total (carrier + 2 drive modules)					
PITCH	1.0"					
		NOTES				
(1) Larger capacities available as I	new COTS 2.5" drives					
(2) Interface connected via front p						
(3) Telcordia SR-322, issue 3, ope		electrical stress (509	%), environmental fac	tor (1.0)		
(4) MLC	10 years at 0% TBW ramping down to 1 year at 100% TBW					
× / -	10 years at 10% TBW ramping down to 1 year at 100% TBW					

