

3.5" SATA Enclosure with Removable Module

RRT-35SATA-R

THE 3.5" SATA ENCLOSURE WITH REMOVABLE SSD MODULE is for applications that require the frequent removal of SSD, fast transfer rates and large capacities.

It consists of two components; the 3.5" SATA enclosure with SATA 3 interface that has standard 3.5" mounting holes and removable SATA SSD module. The connectors between the drive module and the enclosure are rated for 100,000 mating cycles to support frequent insertions and removals.

The SATA SSD module can use any COTS 2.5" SATA Solid State Drive (SSD) providing capacities up to 15TB and transfer rates of up to 600 MB/S. Options for FIPS140-2, FIPS197, TCG Opal, and military erase.

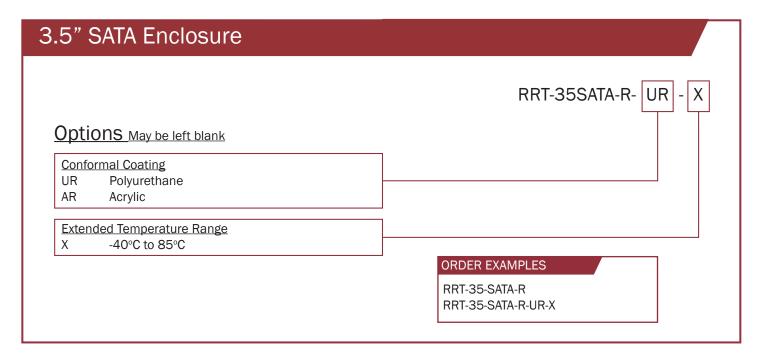
- Capacities up to 20 TB
- 600 MB/S transfer rates
- · Removable SSD module
- SATA 3 (SATA600)
- Compatible with Sata 1, 2
- 100,000 mating cycles
- 3.5" form factor
- Boot and/or disk storage
- COTS 2.5" SATA SSDs
- Military erase options
- FIPS140-2, FIPS197. TCG Opal options
- Option for thumbscrews to remove drive module without tools
- No additional software required

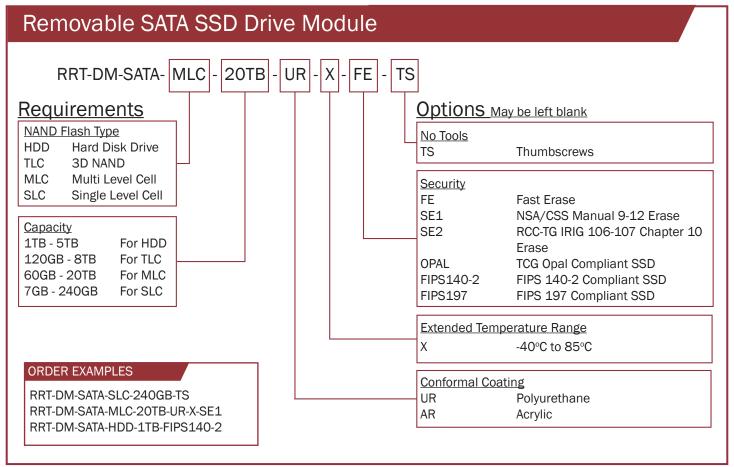






Ordering Information









Product Specifications

3.5" SATA ENCLOSURE WITH REMOVABLE MODULE

PERFORMANCE						
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	SATA3					
THROUGHPUT - SUSTAINED	130 MB/S	400 MB/S				
RELIABILITY						
MTBF - DRIVE	500,000 hours	1 million hours	2 million hours		3 million hours	
MTBF - DRIVE MODULE	3 million hours					
MTBF - 3.5" ENCLOSURE ³	3 million hours					
DATA RETENTION	Not applicable	1 year			10 years	
ENDURANCE (100GB) TOTAL BYTES WRITTEN	Not applicable	70 TBW			350 TBW	
CARRIER/DRIVE MODULE MATING CYCLES	100,000 mating cycles					
POWER						
VOLTAGE-STORAGE	+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	
ENVIRONMENTAL						
OPERATING TEMP., VITA 47 CLASS	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., VITA 47 CLASS ⁴	Not available See MLC-X		-40°C to 85°C			
STORAGE TEMP.	-40°C to 70°C					
ALTITUDE	10,000 ft. (3,000 meters)			80,000 ft. (24,000 meters)		
RELATIVE HUMIDITY	5% to 95% non-condensing					
SHOCK, VITA 47 CLASS⁵	20g, 11 millisecond terminal sawtooth pulse			40g, 11 millisecond terminal sawtooth pulse		
VIBRATION, VITA 47 CLASS ⁶	0.04 g2/Hz, 5 Hz to 100 Hz			0.1 g2/Hz, 100 Hz to 1000 Hz		
PHYSICAL						
FORM FACTOR	3.5"					
WEIGHT	21 oz. (578g)					
PITCH	TCH 4.0" x 5.75" x 1.0"(101.6mm x 146.1mm x 25.4mm)					
NOTEO						

NOTES

- (1) Larger capacities available as new COTS 2.5" drives released
- (2) Interface connected via compatible slot profile SLT3-ST0-1U-16.5.1
- (3) Telcordia SR-322, Issue 3, operating temp (40C), electrical stress (50%), environmental factor (1.0)
- (4) Thermal qualification per MIL-STD-810, Method 501, Procedure II, and MIL-STD-810, Method 502, Procedure II
- (5) Shock qualification per MIL-STD-810F, Method 516, Procedure I
- (6) Vibration qualification per MIL-STD-810F, Method 514, Procedure 1



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