

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

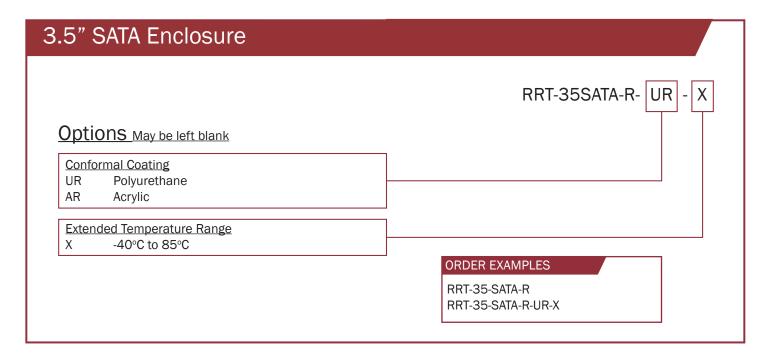


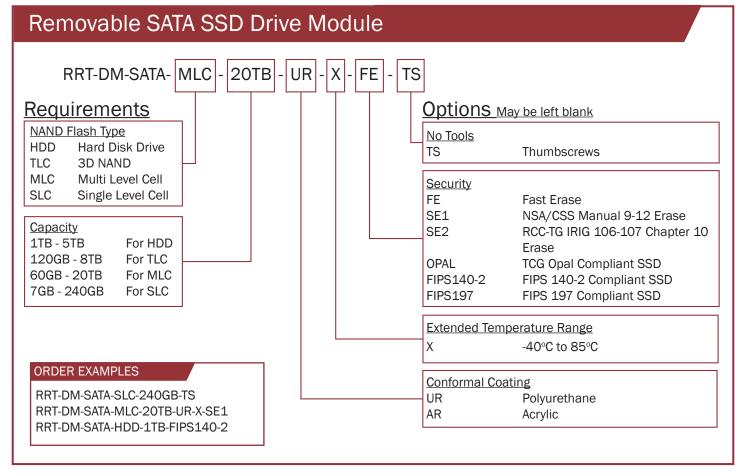


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Ordering Information







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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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