



RRT-25IDE

2.5" IDE/ATA/PATA Solid State Drive (SSD)

- Drop in replacement for obsolete 2.5" IDE/ATA/PATA drives
- ATA/ATAPI-7
- Transfer rates up to 150 MB/s
- Capacities up to 480 GB
- Commercial temperature range (0°C to 70°C)
- Extended temperature range (-40°C to 85°C)
- Conformal coating available
- RoHS compliant
- US-based engineering and manufacturing
- In-house technical support



2.5" IDE/ATA/PATA SOLID STATE DRIVE (SSD) offers a long-term industrial grade solution for replacement of obsolete 2.5" IDE/ATA drives from Seagate, Western Digital, Hitachi and IBM.

Our unique product is designed for 2.5" form factor and does not use SATA/PATA adapters.

ORDERING INFORMATION

RRT-25IDE- SLC - 8GB - UR - X

Requirements

NAND Flash Type

SLC	Single Level Cell
MLC	Multi Level Cell

Capacity

0GB - 60GB	SLC
60GB - 240GB	MLC

Options May be left blank

<u>Extended Temperature Range</u>	
X	-40°C to 85°C

Conformal Coating

UR	Polyurethane
AR	Acrylic

ORDER EXAMPLES

RRT-25IDE-SLC-60GB-UR-X-R
RRT-25IDE-MLC-120GB



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Product Specifications

2.5" IDE/ATA/PATA SOLID STATE DRIVE (SSD)

PERFORMANCE

NAND FLASH TYPE	SLC	MLC
CAPACITIES ¹	Up to 60GB	Up to 240GB
INTERFACE	Standard 2.5" ATA/IDE 44-pin connector	
THROUGHPUT	Up to 150 MB/S	
SECTOR SIZE	512 byte	

RELIABILITY

MTBF (HOURS) ²	650,000 hours	
DATA RETENTION	10 years ³	1 year ⁴
ENDURANCE (100GB SSD)	350 TBW	70 TBW

POWER

VOLTAGE	+5V +/- 5%	
WATTS (IDLE)	0.5 W	
WATTS (ACTIVE)	2 W max	

ENVIRONMENTAL

OPERATING TEMP.	0 °C to 70 °C	
EXTENDED OPERATING TEMP.	-40 °C to 85 °C	
STORAGE TEMP.	-45 °C to 90 °C	
RELATIVE HUMIDITY	5% to 95% non-condensing	
ALTITUDE	80,000 ft. (24,000 meters)	
SHOCK	50g 11 millisecond	
VIBRATION	12.0g 20 Hz to 2000 Hz	

PHYSICAL

FORM FACTOR	2.5" drive	
WEIGHT	3.5 oz (99.2 g)	
DIMENSIONS	2.8" x 3.9" x 0.5" (70.0mm x 100.00mm x 12.5mm)	

NOTES

- (1) Larger capacities available as new media is released
- (2) Telcordia SR-332, Issue 3, operating temp. (40 °C), electrical stress (50%), environmental factor (1.0)
- (3) SLC: 10 years at 10% TBW ramping down to 1 year at 100% TBW
- (4) MLC: 10 years at 0% TBW ramping down to 1 year at 100% TBW



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