



# RRT-525SCSI-SN-R-CFast 5.25" SCSI 50-Pin Narrow with Removable CFast

THE 5.25" SCSI 50-PIN NARROW WITH REMOVABLE CFAST uses a proprietary FPGA-based design that provides a long term solution for replacement of obsolete SCSI floppy, tape (DAT), magneto optical (MO), CD, DVD and PC card drives. Designed to provide mechanical form, fit, function replacement for COTS 5.25" SCSI MO drives.

The design provides a transparent interface from the SCSI bus to a COTS CFast card.

Custom firmware provided for SCSI systems that require specific SCSI command responses, capacities or sector sizes. A built-in debug monitor can be used to diagnose and update firmware.

Emulations for:

- SCSI fixed drive to replace hard drive or SSD
  - SCSI Removable drive
  - SCSI Magneto Optical (MO)
  - SCSI DAT Tape
  - SCSI Floppy,
  - SCSI CD, DVD
  - SCSI PC Card
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- Drop in replacement for obsolete SCSI drives
  - 50-pin Narrow 8-bit Single Ended (SE) Ultra SCSI interface
  - Hot-swap Removable CFast
  - Built-in debug monitor for diagnostics and updates to firmware
  - Standard 5.25" form factor, mechanically the same as COTS SCSI MO drives
  - Transfer rates up to 20 MB/s
  - Capacities up to 1TB
  - Extended temperature option
  - SCSI termination can be enabled within unit
  - CFast with write protect switch available
  - ROHS compliant
  - SCSI ID selection 0 – 7
  - US-Based Engineering and Manufacturing
  - In-house Technical Support



# Ordering Information

## 5.25" SCSI with Removable CFast

RRT-525SCSI-SN-R-CFast- **FLOPPY** - **UR** - **X** - **SECTORSIZE1024**

### Options May be left blank

#### Emulation

Floppy	Floppy Drive
MO	Magneto Optical
DAT	Tape Drive
CD	CD Drive
DVD	DVD Drive

#### Conformal Coating

UR	Polyurethane
AR	Acrylic

#### Extended Temperature Range

X	-40°C to 85°C
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#### Sector Size

(512 byte default sector size)  
256, 768, 1024, or any value

### ORDER EXAMPLES

RRT-525SCSI-SN-R-CFast-UR-X-SECTORSIZE256  
RRT-525SCSI-SN-R-CFast-FLOPPY

## CFast Card

RRT-CFAST- **SLC** - **8GB** - **X** - **WP**

### Requirements

#### NAND Flash Type

SLC	Single Level Cell
MLC	Multi Level Cell
TLC	Tri Level Cell (3D)

#### Capacity

4GB - 64GB	SLC
8GB - 512GB	MLC
32GB - 1TB	TLC

### Options May be left blank

#### Write Protect

WP Write Protect

#### Extended Temperature Range

X -40°C to 85°C

### ORDER EXAMPLES

RRT-CFAST-MLC-512GB  
RRT-CFAST-SLC-8GB-X-WP

# Product Specifications

## 5.25" SCSI 50-PIN NARROW WITH REMOVABLE CFAST

### PERFORMANCE

INTERFACE	Narrow 8-bit Single Ended (SE) Ultra SCSI, SCSI2, SCSI1
SUSTAINED THROUGHPUT READ/WRITE	19 MB/s
SECTOR SIZE	512 bytes or custom sector size

### RELIABILITY

MTBF - DRIVE CARRIER <sup>1</sup>	3 million hours
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### POWER

VOLTAGE	+5V +/- 5%
WATTS (IDLE)	3 W
WATTS (ACTIVE)	4 W max

### ENVIRONMENTAL

OPERATING TEMP.	0 °C to 70 °C
EXTENDED OPERATING TEMP.	-40°C to 85°C
STORAGE TEMP.	-40°C to 85°C
ALTITUDE	80,000 ft. (24,000 meters)
RELATIVE HUMIDITY	5% to 95% non-condensing
SHOCK	50g 11 millisecond
VIBRATION <sup>4</sup>	12.0 Grms 20 Hz to 2000 Hz

### PHYSICAL

FORM FACTOR	5.25" drive
WEIGHT	11 oz. max (312g)
DIMENSIONS	4.0" x 5.9" x 1.6" (101.6mm x 149.9mm x 40.6mm)

### NOTES

(1) Telcordia SR-322, Issue 3, operating temp (40C), electrical stress (50%), environmental factor (1.0)



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