



# RRT-35SCSI-SN-R-CFast 3.5" SCSI 50-Pin Narrow with Removable CFast

THE 3.5" 50-PIN SCSI NARROW WITH REMOVABLE CFAST uses a proprietary FPGA-based design that provides a long term solution for replacement of obsolete SCSI hard drives, SCSI SSD, SCSI Magneto Optical (MO), SCSI tape drive, SCSI Floppy drive, SCSI CD, DVD, DVD-RAM, and PC card 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 issues 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

- 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 3.5" form factor
- 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

## 3.5" SCSI with Removable CFast

RRT-35SCSI-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-35SCSI-SN-R-CFast-UR-X-SECTORSIZE256  
RRT-35SCSI-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
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#### Extended Temperature Range

X	-40°C to 85°C
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### ORDER EXAMPLES

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



# Product Specifications

## 3.5" 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
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	3.5" drive
WEIGHT	10.85 oz. max (307.6g)
DIMENSIONS	4" (101.6mm) X 6.6" (167.6mm) with retainer, 6" (152.4mm) (without retainer) X 1" (25.4mm)
NOTES	
(1) Telcordia SR-322, Issue 3, operating temp (40C), electrical stress (50%), environmental factor (1.0).	



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