

3.5" SCSI 68-Pin Wide Hard Disk Drive



RRT-35SHS-SW

The 3.5" SCSI 68-pin Wide Hard Disk Drive (HDD) is a proprietary FPGA based design that provides a long term solution for replacement of obsolete SCSI drives.

The design provides a transparent interface from the SCSI bus to a COTS 2.5" SATA HDD.

Custom firmware provided for SCSI systems that require specific SCSI command responses, capacities or sector sizes.

FEATURES INCLUDE

- Drop in replacement for obsolete 68-pin Wide SCSI drives
- Standard 3.5" form factor
- Capacities currently up to 1.5TB
- Ultra SCSI transfer rates up to 40 MB/s
- Single Ended (SE) interface
- Compatible with CPUs with a SCSI SE controller
- SCSI termination can be enabled within unit
- No additional software required
- SCSI ID selection 0 – 15

Ordering Information

RRT-35SHS-SW-HDD - **120GB** - **SECTORSIZE1024**

Requirements

Capacity
Capacities up to 1.5TB

Options MAY BE LEFT BLANK

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

Example: RRT-35SHS-SW-HDD-512MB-SECTORSIZE768

Example: RRT-35SHS-SW-HDD-320GB

3.5" SCSI 68-pin Wide HDD Specification

Performance	
Version	HDD
Capacities (1)	Up to 1.5TB
Interface	Wide 16-bit Single Ended (SE) Ultra SCSI, SCSI2, SCSI1
Sustained Throughput Read/Write	38 MB/s
Sector Size	512 native, custom sector sizes available
Reliability	
MTBF	500,000 hours
Power	
Voltage	+5V +/- 5%
Watts-idle	5W
Watts-active	7W max
Environmental	
Temperature operating	5° to 55°C
Temperature storage	-40° to 70°C
Relative Humidity	5% to 95%
Altitude	10,000 ft (3,000 meters)
Shock	350g 2 millisecond
Vibration	1.0 G (0 to peak) 5 Hz to 500 Hz
Physical	
Form Factor	3.5" drive
Weight	15 oz. max (420g)
Dimensions (W x L x H)	4.0" x 5.75" x 1.0" (101.6mm x 146.1mm x 25.4mm)
(1) Larger capacities available as new COTS 2.5" drives released	

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