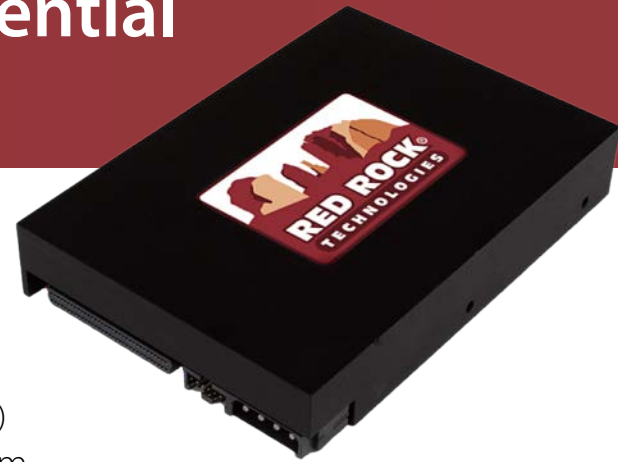


3.5" SCSI 68-Pin Wide Differential Hard Disk Drive

RRT-35SHA-HW-HDD



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

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

The drive can be configured to provide specific capacities for applications that only work with low capacity drives.

FEATURES INCLUDE

- Drop in replacement for 68-pin SCSI Wide Differential drives
- Capacities currently up to 320GB. Larger capacities available as 2.5" COTS drive capacities increase
- SCSI Wide Differential (High Voltage Differential) Interface provides transfer rates up to 40 MB/S
- Fast, efficient field replacement
- High density mass storage in 3.5" form factor
- 35% lighter than standard 3.5" SCSI drive
- Compatible with CPU's with a SCSI Wide Differential (High Voltage Differential) controller
- No additional software required
- SCSI ID selection 0 – 15

Ordering Information

RRT-35SFA-HW-HDD – 250GB

Requirements

Capacity

Any capacity up to 960GB

Example: RRT-35SHA-HW-HDD-9GB

Example: RRT-35SHA-HW-HDD-250GB

3.5" 68-pin SCSI Wide Differential Hard Disk Drive Specifications

Performance	
Version	HDD
Capacities (1,2)	Up to 960GB
Sustained Throughput Read/Write	38 MB/s
Sector Size	512 bytes
Reliability	
MTBF (3)	500,000 hours
Power	
Voltage	+5V +/- 5%
Watts-idle	5W
Watts-active	7W max
Environmental	
Temperature operating	0° 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	1.0G (0 to peak) 5Hz to 500Hz
Physical	
Form Factor	3.5" drive
Weight	15 oz. max (420g)
Dimensions (W x L x H)	4.0" x 5.9" x 1.6" (101.6mm x 149.9mm x 40.6mm)
(1) Larger capacities available as new COTS 2.5" drives released.	
(2) Capacity can be limited for systems that do not support larger capacities.	
(3) Telcordia SR-322, Issue 3, operating temp (40° C), electrical stress (50%), environmental factor (1.0)	

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