

3.5" SCSI 50-Pin Narrow Hard Disk Drive (HDD)



RRT-35SHS-SN

Red Rock Technologies, Inc. offers a proprietary FPGA-based design that provides a long-term solution for replacement of obsolete SCSI drives.

FEATURES

- ❖ Drop in replacement for obsolete SCSI drives
- ❖ 50-pin Narrow 8-bit Single Ended (SE) Ultra SCSI interface
- ❖ Built-in debug monitor for diagnostics and updates to firmware
- ❖ Transfer rates up to 20 MB/s
- ❖ Capacities up to 2 TB
- ❖ SCSI termination can be enabled within unit
- ❖ Customizable firmware (modified to work in your system)
- ❖ RoHS compliant
- ❖ US-Based Engineering and Manufacturing
- ❖ In-house Technical Support

3.5" SCSI 50-pin Narrow HDD Specification

PERFORMANCE		
Version	HDD - Standard	HDDe - Enterprise
Capacities ⁽¹⁾	Up to 2TB	Up to 2TB
Interface	Narrow 8-bit Single Ended (SE), SCSI1, SCSI2, Ultra SCSI	
Sustained Throughput Read/Write	19 MB/s	
Sector Size	512 byte default, custom sector sizes available	
RELIABILITY		
MTBF (hours) ⁽²⁾	500,000	2 million
POWER		
Voltage	+5V ± 5%	+5V ± 5%, +12V ± 5%
Watts-idle	5W	6W
Watts-active	7W max	8W
ENVIRONMENTAL		
Operating Temperature	5°C to 55°C	
Storage Temperature	-40°C to 70°C	
Relative Humidity ⁽³⁾	5% to 95% non-condensing	
Altitude ⁽⁴⁾	10,000 ft (3,000 meters)	
Shock	350g 2 millisecond	
Vibration	1.0g (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		
(2) Telcordia SR-332, Issue 3, operating temp. (40°C), electrical stress (50%), environmental factor (1.0)		

Ordering Information

RRT-35SHS-SN - **HDD** - **120GB** - **UR**

Requirements

Version
HDD Standard
HDDe Enterprise

Capacity
Capacities up to 2TB

Options May be left blank

Conformal Coating
UR Polyurethane
AR Acrylic

Part Order Examples: RRT-35SHS-SN-HDD-4.3GB-UR
RRT-35SHS-SN-HDDe-2TB

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