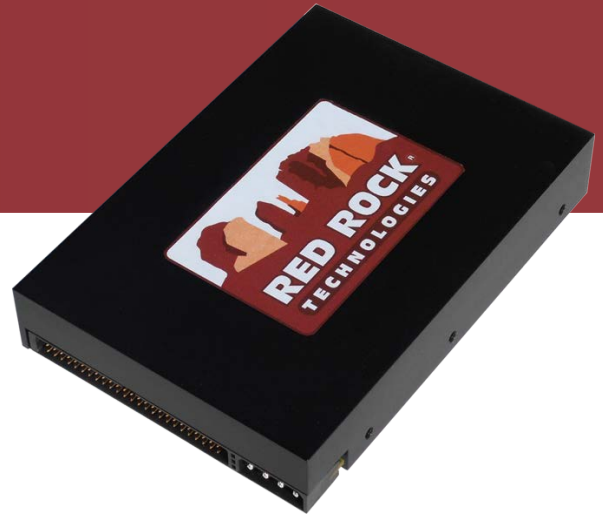


3.5" SCSI 50-Pin Narrow Hard Disk Drive



RRT-35SHS-SN

The 3.5" SCSI 50-pin Narrow 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 50-pin Narrow SCSI drives
- Standard 3.5" form factor
- Capacities currently up to 2TB
- Ultra SCSI transfer rates up to 20 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 – 7

Ordering Information

RRT-35SHS-SN-HDD - 120GB - SECTORSIZE1024

Requirements

Capacity

Capacities up to 2TB

Options MAY BE LEFT BLANK

Sector Size (512 byte default sector size)

256, 768, 1024, or any value

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

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

3.5" SCSI 50-pin Narrow HDD Specification

| Performance | |
|--|---|
| Version | HDD |
| Capacities (1) | Up to 2TB |
| Interface | Narrow 8-bit Single Ended (SE) Ultra SCSI, SCSI2, SCSI1 |
| Sustained Throughput Read/Write | 19 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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