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SCSIFlash™

SCSIFlash™ SCSI1/SCSI2 80 pin Disk Drive Emulator to CF
(SCSI Emulator for SCSI Drives)

Emulated Disk Sector sizes
256-4096 bytes

DESCRIPTION

The SCSIFlash™ is an integrated solution that utilizes proven SCSI drive architecture and industry-standard Compact Flash Card technology, providing a solid state, drop-in replacement for electro-mechanical hard drives.

The SCSIFlash™ is an industrial OEM grade solid state drive which allows Compact Flash (CF) cards of up to 128GB (host dependant) to be attached to a regular SCSI bus. It will be seen as a SCSI drive by the host computer. The SCSIFlash™ can emulate many SASI, SCSI-1, or SCSI-2 drives and can be programmed to suit the host systems requirement. Emulated Disk Sector sizes can be 256, 512, 768, 1024, 2048, 4096 bytes.

The SCSIFLASH™ PCB allows service providers & OEM's to have a quick, low-cost flash memory solution for their legacy system through our configurable firmware that matches legacy systems software.

Benefit
- Firmware controlled by SCSI interface is adaptable to hosts' software SCSI drivers
- Provides a transparent interface from the SCSI bus to solid state Flash media
- Eliminates the problems found in traditional electro-mechanical/magnetic media storage devices
- Fast, efficient field replacement
- Lower power consumption, noise and heat
- Fast write speeds
- Increased reliability
- Reduced unplanned downtime
- No additional software required for operation due to its SCSI data storage/bootable drive

FEATURES

- Small format PCB converts Compact Flash Media to appear as a SCSI device on a Host's SCSI bus
- 3.5" form factor PCB which will replace any 3.5" disk drive or larger drives with adaptor
- Will fit in a 3.5" disk slot using the same mountings
- SCSI Host will typically see the device as a disk drive of any selected emulation
- Emulated device characteristics can be adjusted to exactly match the host systems' requirements
- Board is low power, using 5V only
- Microcode is field upgradable via integral USB port
- Optional integration support available if required

Solid State Disks Ltd manufacture, design & support sales of the SCSIFlash™ drive through our head office in Reading, United Kingdom.

SPECIFICATIONS

Form Factor:
3.5" form factor – 102mm (4") wide x 147mm (5.75") long x 25mm (1") high*   * Other form factor options are available

Compact Flash:
Standard 3M header for Type 1 & 2 cards

Power:
5 Volts only @ 0.8 Watt (Typical) + CF requirement

Power connector:
Power supplied through the SCSI standard 80-pin SCA connector

SCSI transfer rate:
10Mbytes/second (Burst)

USB and Serial Ports for microcode load and real time diagnostics Ethernet capability Master Image (.img) /mirroring capability

Ethernet capability

Master Image (.img) /mirroring capability

Example fixed disk emulations:
Adtron, BitMicro, Fujitsu, Hitachi, HP, IBM, M-Systems, Maxtor, Quantum, Seagate, Smart Modular, Western Digital

Example systems available for fixed disk emulations:
Alcatel S12 & 1631, Alcatel-Lucent DACS III/IV, Applied Materials, AMAT, Cannon, DEC VAX, HP 9000 series 800, HP 9000 series 500, HP 9000 series 300, OMTI DTC51, Honeywell Measurex, MX-OPEN, Sun Spark & Siemens EWSD

Support covers the following Operating Systems:
HP-UX, HP-RTE, HPL, VMS, IRMx, OS/400, GCOS, BOSS, VXworks, OS2, DEC VMS, RSTS, OSF, MXopen system QCs, UNIX

SCSIFlash™ Drive rear view

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