

## SCSIFlash™ SCSI1/SCSI2 50 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
- 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 emulation
- 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.

The SCSIFlash™ is a recognised Trademark of Solid State Disks Ltd.

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### SPECIFICATIONS



#### Form Factor:

3.5" form factor – 102mm (4") wide x 147mm (5.75") long x 25mm (1") high\*  
\* Note other height 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:

Standard Disk drive type SCSI-1 and 2 Compatible. 50 pin DIL 0.1" Connector

#### SCSI transfer rate:

10Mbytes/second

#### USB Port for microcode load and real time diagnostics

#### Ethernet capability

#### Master Image (.img) /mirroring capability

#### Example fixed disk emulations:

Compaq, Conner, DEC, Fujitsu, Hitachi, HP, IBM, Maxtor, Micropolis, NEC, Quantum, Rodime, Seagate, Sequel, SIEMENS NIXDORF, Syquest, TEAC, TOSHIBA, Western Digital.

#### Example systems available for fixed disk emulations:

Alcatel S12 & 1631, Alcatel-Lucent DACS III/IV, Applied Materials, AMAT, Cannon, DEC VAX, Encore, Evans & Sutherland, HP 9000 series 800, HP 9000 series 500, HP 9000 series 300, HP 1000 A Series, OMTI DTC51, Honeywell Measurex, MX-OPEN, Rosemount RS3, Sun Spark & Siemens EWSD.

#### Support covers the following Operating Systems:

HP-UX, HP-RTE, HPL, VMS, IRMx, OS/400, OMTI, GCOS, BOSS, VXworks, OS2, DEC VMS, RSTS, OSF, MXopen system QCs, UNIX,



SCSIFlash™ Drive front view