



MODEL

SDDS PC Card Drive

Removable 3.5" PC Card Drive Connects to the SCSI Bus

Designed for demanding applications in telecommunications, military computers, digital imaging, data security and ruggedized data storage, Adtron's SCSI PC Card Drive brings high performance and PCMCIA compatibility to desktop, workstation and notebook computers through the industry-standard SCSI interface.

Overview

The SDDS PC Card Drive delivers high transfer rates, industry standard SCSI compatibility and PC Card hot swapping. This family of SolidState Data Drives meets the removable media requirements in a wide range of applications, including mission data transfer in military aircraft, image transfer from a professional class digital camera to a graphics workstation, SCSI hard disk replacement in embedded computers, and data encryption using Fortezza security cards.

This product family includes single and dual slot versions that mount in a 3.5-inch floppy drive bay. This SCSI PC Card Drive may be configured to emulate a removable disk, a fixed disk, or a removable tape drive. With the use of ATA flash PC Cards, the Adtron SDDS provides the durability and reliability of all solidstate, removable storage in extended temperature ranges. Adtron also offers SCSI connected PC Card drives on 6U VME cards, single slot external desktop, and cPCI 6U cards.

Applications

- Telecommunications switches
- Network routers
- Military computer systems
- Factory automation
- Aviation and vehicle based computers
- Hardened industrial control systems
- Data transfer from portable to desktop computers
- Flight mission data transfer

Features

- Uses PC Cards instead of disks to operate as a standard SCSI removable storage drive
- Emulates SCSI removable media disk and tape drives
- Compatible with most operating systems without additional software
- Built-in active SCSI bus termination ensures high quality bus signal
- This low power design requires only 5VDC for operation
- Proven reliability and compatibility make these drives suitable for a wide range of applications
- When used as a hard disk replacement, the SDDS can combine the capacity of both PC Cards
- PC Card compatibility includes ATA flash and hard disk, CompactFlash, SmartMedia, and MMC cards, SRAM, and security cards, including Fortezza. Some media require a PC Card adapter.

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System Requirements

Host Computer		
	Hardware	50-pin SCSI-2
	Software	BIOS and O/S with SCSI support

Specifications

Interface and connector	SCSI	SCSI 50-pin signal, 0.1" pin spacing 4-pin power, 0.156" pin spacing
	PC Card	68-pin PC Card standard version 2.01
Data transfer rate		Card dependent up to 5 MB/sec
Capacities		Card dependent, 64MBytes to 5GBytes
Power requirements		Voltage = 5V +/- 10% typical Current (active) = .375A (max) without card Current with card is card dependent
Operating temperature	Commercial (C)	0 to 70°C
	Industrial (I)	-40 to 85°C
	Storage	-55 to 90°C

Ordering Information

Model	Features
SDDS-01A	3.5" floppy drive bay mounting Removable disk emulation Dual socket PC Card, Type I, II, III (Type III top slot only)
SDDS-03A	3.5" floppy disk bay mounting Removable disk emulation Single socket PC Card, Type I, II, III
SDDS-04A	3.5" tape drive bay mounting Removable tape emulation One Type II PC Card slot

Adtron certified media is available for this product. For more information and full product specifications, see our web site at www.adtron.com.



Partner Information: