

7 Specifications

Indicators	SDDP-0x: One single-color LED indicates PC Card power SDDP-2x: Two single-color LEDs indicate PC Card power per slot
Host Interface	16-bit PC/104 bus
Size	SDDP-0x: 3.55" W x 4.075" L x 0.46" H (90.2 mm x 103.5 mm x 11.7 mm) SDDP-2x: 3.55" W x 5.575" L x 0.46" H (90.2 mm x 141.6 mm x 11.7 mm)
Power Requirements	5VDC @ 110 mA (no cards)
Power Available (to each card)	5VDC @ 1A 12VDC @ 120 mA

8 Warranty

Adtron warrants this product to be free from defects in materials and workmanship for one year. If this product fails within one year due to such a defect, Adtron will repair or replace this product at no charge.

This warranty does not apply if this product has been damaged by abuse, accident, disaster, misuse or incorrect installation.



ESD Caution

Static electricity may be discharged through the SDDP. In extreme cases this may temporarily interrupt the operation or damage components. To prevent this, touch a grounded device, such as a computer case, prior to handling.

There are no user-serviceable components within the SDDP.

NOTICE

This manual describes the features of Adtron's SDDP. Adtron reserves the right to modify, amend, or in any way change the contents and/or products described herein, at any time, without notification.

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Adtron SDDP-0x and SDDP-2x Installation Manual

1 Introduction

Congratulations on your purchase of the Adtron SDDP! The SDDP is a 16-bit PC Card (PCMCIA) v2.0 compliant interface supporting standard 68-pin memory and I/O cards, including SRAM, linear Flash, FAX/MODEMs, network, and ATA disk drives.

The SDDP utilizes an Intel-compatible controller and installs into a 16-bit PC/104 stack. Up to two SDDPs can be installed into a system.

This manual describes the hardware installation. Before using the SDDP, Card and Socket Services software may be required for your Operating System. A separate manual describes how to install Card and Socket Services for certain Operating Systems.

Before beginning the installation, turn the computer power OFF.

2 Hardware Configuration

The SDDP is available in the following configurations:

SDDP-03	Single PC Card slot, no ejector
SDDP-20	Dual PC Card slots, no ejectors
SDDP-21	Dual PC Card slots, right-hand ejectors
SDDP-22	Dual PC Card slots, left-hand ejectors

If two SDDPs are installed, the second SDDP must have a jumper on CSEL (JP5 on the SDDP-0x, JP1 on the SDDP-2x). Refer to the mechanical drawings for the location of the CSEL jumper.

3 SDDP Installation

The SDDP board installs into a 16-bit PC/104 stack in a few easy steps:

1. Turn off power to the computer.
2. Insert the SDDP into the PC/104 stack where desired, ensuring that all of the pins line up correctly. Secure the SDDP with the four screws.
3. Replace the computer cover, if applicable.

A remotely located speaker can be connected to the SDDP to provide audio output for FAX/MODEMs.

SDDP-0x: Connect the speaker to JP6 (SPKR)
SDDP-2x: Connect the speaker to LS1

On the SDDP-0x, an LED can be connected to D2 (LED) to indicate card power (Pin 2 is +).

4 Installing Card and Socket Services

The SDDP can be used in a wide variety of Operating Systems. The SDDP utilizes an industry-standard controller, which is Intel register-set compatible and is supported by many Operating Systems. The procedure for installing the software varies for each different Operating System. Adtron supplies installation manuals for Windows. Refer to the included manual for the software installation procedure.

Operating System	Software
Windows 3.x	CardWizard for Windows 3.x
Win9x/WinME/Win2000	[Supported by Operating System]
WinNT 4.0 (SP4 or higher)	CardWizard for Windows NT (ordered separately)
Linux	[Supported by Operating System]

For other Operating Systems, refer to the Operating System documentation for installation details.

Some PC Cards may require a special client driver in order to use them, such as Data Acquisition cards. This driver should be included with the PC Card. If it is not, contact the vendor or manufacturer of that PC Card.

The SDDP does not support 3.3V-only or CardBus (PCMCIA v3.0) cards, such as 100 MBit Ethernet, ISDN, or Zoom Video.

5 Troubleshooting

The SDDP is simple to install and operate. However, if you experience problems, the table below lists some common problems and possible solutions.

Problem	Possible Solutions
I installed two SDDP boards, but the software only recognizes one of them.	Check the CSEL jumper. The second SDDP must have a jumper on CSEL.
	Some Operating Systems may only support one SDDP. Contact the Operating System vendor.
I insert a PC Card and the system beeps twice, but the card is not accessible.	The PC Card may require system resources that are not available, such as an IRQ. Try freeing up resources before using the PC Card.
	The PC Card may require a special client driver. Install the software that was supplied with the PC Card.
I insert a PC Card into a slot but the system does not recognize it and the LED is off.	There may be a possible conflict with another adapter in the system.

For more information, visit the Adtron Web site at <http://www.adtron.com> or send email to techsupport@adtron.com

6 SDDP Mechanical Drawings

