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7 Specifications

Indicators	One single-color LED indicates PC Card power
Host Interface	16-bit PC/104 bus
Size	SDDP-32 Base: 3.55" W x 3.775" L x 0.46" H (90.2 mm x 95.89 mm x 11.7 mm) SDDP-32 Remote: 3.93" W x 3.775" L x 0.46" H (99.8 mm x 95.89 mm x 11.7 mm)
Power Requirements	5VDC @ 110 mA (no cards) 12VDC @ 30 mA (required for Vpp only)
Power Available (to each card)	5VDC @ 1A 12VDC @ 120 mA
Controller	Basis Communications (Cirrus Logic) CL-PD6710 single-socket PC Card contoller

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-32. 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-32.

NOTICE

This manual describes the features of Adtron's SDDP-32. 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-32 Installation Manual

1 Introduction

Congratulations on your purchase of the Adtron SDDP-32! The SDDP-32 is a 16-bit PC Card (PCMCIA) interface supporting standard 68-pin memory and I/O cards, including SRAM, linear Flash, FAX/MODEMs, network, and ATA disk drives.

The SDDP-32 utilizes an Intel-compatible PC Card controller and installs into a 16-bit PC/104 stack. Up to two SDDP-32s can be installed into a system.

This manual describes the hardware installation. Before using the SDDP-32, 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 Equipment List

- Base module (16-bit PC/104 module)
- Remote PC Card slot module (PC/104 form factor)
- Two 6" 44-conductor ribbon cables

The two modules are connected together by the ribbon cables. Longer cables may be used but are not recommended.

3 Hardware Installation

The SDDP-32 installs into a 16-bit PC/104 stack in a few easy steps:

1. Turn off power to the computer.
2. Insert the SDDP-32 Base into the PC/104 stack where desired, ensuring that all of the pins line up correctly. Secure the SDDP with the four screws.
3. Insert the cables into both Base and Remote boards. Check that the cable from J5 on the Base unit is connected to J5 on the Remote unit. Check that the cable from J6 on the Base unit is connected to J6 on the Remote unit.
4. Install the SDDP-32 Remote either in the PC/104 stack or in a custom enclosure.
5. Replace the computer cover, if applicable, and restore power.

On the SDDP-32 Base, a remotely located speaker can be connected to JP6 to provide audio output for FAX/MODEMs. On the SDDP-32 Remote, an remotely located LED can be connected to D1 (LED) to indicate card power.

Up to two SDDP-32s can be installed into a system. **If two SDDP-32s are installed, the second SDDP-32 must have a jumper on CSEL (JP5). Refer to the mechanical drawings for the location of the CSEL jumper on the Base.**

4 Installing Card and Socket Services

The SDDP-32 can be used in a wide variety of Operating Systems. The SDDP-32 utilizes an industry-standard controller, which is Intel register-set compatible and is supported by most modern 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 not listed, 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-32 does not support 3.3V-only or CardBus (PCMCIA v3.0) cards, such as 100 MBit Ethernet, ISDN, or Zoom Video.

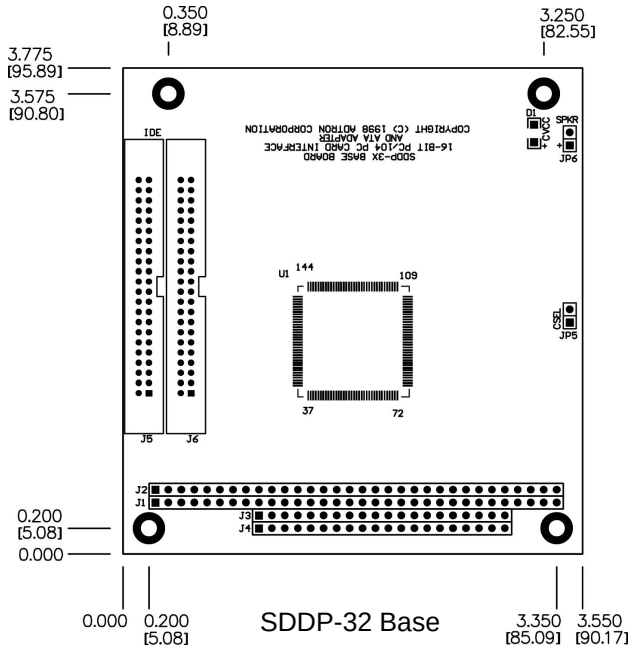
5 Troubleshooting

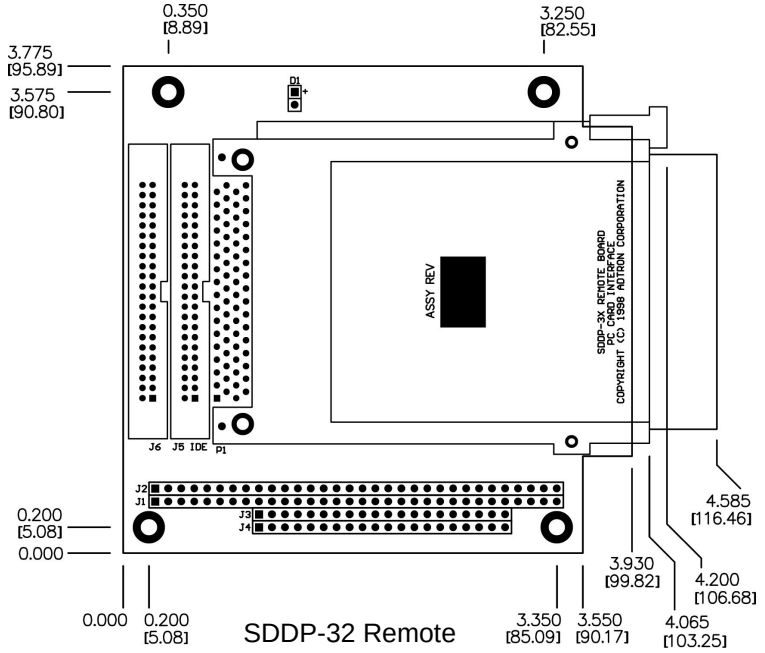
The SDDP-32 is simple to install and operate. However, if you experience problems, the table below lists some common problems and possible solutions.

Problem	Possible Solutions
I installed two SDDP-32 boards, but the software only recognizes one of them.	Check the CSEL jumper. The second SDDP-32 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 accesible.	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 the 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. Try removing the other adapters.

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

6 SDDP-32 Mechanical Drawings





Drawings not to scale - Dimensions in inches [mm]

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