Sensoray Model 328
PCI to PC/104-*Plus* Adapter

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Limited Warranty

Sensoray Company, Incorporated (Sensoray) warrants the Model 328 hardware to be free from defects in material and workmanship and perform to applicable published Sensoray specifications for two years from the date of shipment to purchaser. Sensoray will, at its option, repair or replace equipment that proves to be defective during the warranty period. This warranty includes parts and labor.

The warranty provided herein does not cover equipment subjected to abuse, misuse, accident, alteration, neglect, or unauthorized repair or installation. Sensoray shall have the right of final determination as to the existence and cause of defect.

As for items repaired or replaced under warranty, the warranty shall continue in effect for the remainder of the original warranty period, or for ninety days following date of shipment by Sensoray of the repaired or replaced part, whichever period is longer.

A Return Material Authorization (RMA) number must be obtained from the factory and clearly marked on the outside of the package before any equipment will be accepted for warranty work. Sensoray will pay the shipping costs of returning to the owner parts that are covered by warranty.

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Special Handling Instructions

The Model 328 circuit board is sensitive to Electrostatic Discharge (ESD).

Special care should be taken in handling, transporting, and installing the 328 to prevent ESD damage to the board. In particular:

- Do not remove the circuit board from its protective anti-static bag until you are ready to install the board into the enclosure.

- Handle the circuit board only at grounded, ESD protected stations.

- Remove power from the PCI bus before installing or removing the circuit board.

1. Introduction

Sensoray's Model 328 PCI to PC104-Plus Adapter allows testing PCI boards using the PC104-Plus bus system. PCI board can be placed in the system outside of the PC104-plus stack, perpendicular to the board. This position allows more PC104-plus modules to be stacked on the top. The PCI slot can be configured as slot 1, 2, 3 or 4, using removable jumper plugs.

2. Specifications

Parameter	Specification
Bus	PC104-Plus to 32-bit PCI
Slot configuration	Slot 1 to 4, jumper plugs
PCI board mounting	Standard 32-bit PCI Connector
Dimensions	5 x 3-5/8 inches
Operating temperature	-40°C to +85°C

3. Installation

3.1. Installation

Power down the PC104-Plus system. Plug the Model 328 adapter into a PC104-plus slot. Configure adapter for slot1 to4 (follow instructions). Plug in the board under test into the 328 adapter. Power up the PC104-Plus system.

3.2. Configuration

Each module in PC104-Plus system shall be properly configured to prevent conflicts. The following table shows the appropriate jumper setting and signals used for each module in the stack.

Example: For Slot1 install jumpers IDSEL0, REQ0, GNT0, CLK0 , INTA only,
For Slot2 install jumpers IDSEL1, REQ1, GNT1, CLK1 , INTB only.

MODULE SLOT	SELECTION JUMPERS				
1	IDSEL0	REQ0	GNT0	CLK0	INTA
2	IDSEL1	REQ1	GNT1	CLK1	INTB
3	IDSEL2	REQ2*	GNT2*	CLK2	INTC
4	IDSEL3	REQ2*	GNT2*	CLK3	INTD

* NOTE1: Because module slot 3 and 4 share REQ2/GNT2, they cannot both be master devices.

4. Technical Support

For technical support contact Sensoray Company, Inc.
Tel: (503) 684-8005
Fax: (503) 684-8164
E-mail: support@sensoray.com
http://www.sensoray.com

.000
.350
3.250

4.900

3.575

D C
A B

PC104

IDSEL0   REQ0   GNT0   CLK0   INTA
IDSEL1   REQ1   GNT1   CLK1   INTB
IDSEL2   REQ2   GNT2   CLK2   INTC
IDSEL3   CLK3   INTD

MODEL 328

SENSORAY

P100

.400

.200

.000

J100

.000
.200
.250

3.350
3.550