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PCM-3620 PC/104-Plus USB and IEEE 1394 Module

Startup Manual

Introduction

The PCM-3620 is a USB2.0 and IEEE1394 interface-module that attaches to the PC/104-plus connector on your CPU card or PC/104-plus CPU module

The PCM-3620 provides 480Mbps USB2.0 and 400Mbps IEEE 1394 high speed I/O capability, and is fully complaint with USB2.0 and IEEE1394 specifications. The module includes 4 USB 2.0 poart and 3 IEEE 1394 aport. The PCM 3620, with its NEC uPD720101 and TI TSB43AB23 chipset, brings the latest USB, IEEE1394 performance features to Advantech's PC/104 line

Packing list

Before you begin installing your card, please make sure that the following materials have been shipped:

- 1 4 ports USB Cable (PCM-3620P-00A1 only)
- 1 3 ports IEEE1394 cable (PCM-3620P-00A1 only)

Features

PCM-3620 PC/104-Plus USB and IEEE1394 Module

- 4 USB 2.0 Compliant Port, up to 480 Mbps transactions
- USB ECHI 1.0 and PHCI 1.0a compatible
- 3 IEEE1394a Compliant Port, up to 400 Mbps
- IEEE 1394a OHCI 1.1 Compliant

Specifications

- Chipset: NEC uPD720101 and TI TSB43AB23

USB

- 4 USB 2.0 Compliant Ports
- Compliant with OHCI USB Rev 1.0a
- Compliant with EHCI for USB Rev 1.0
- High-speed (480Mbps),full-speed (12Mbps)and low-speed (1.5Mbps) transactions

IEEE 1394a

- 3 port compliant with 1394 Open Host
- Controller Interface Specification (Release 1.1)
- Power Requirement +5 V , +12 V
- Temperature 0 ~ 60° C (32~140° F),
- operation, -20~80° C , operation (optional)
- Operating Humidity 0% ~ 90% relative humidity, noncondensing
- Size/Weight 96 x 90 mm/0.81 kg(0.18b)

For more information on this and other Advantech products, please visit our website at:

http://www.advantech.com

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For technical support and service, please visit our support website at:

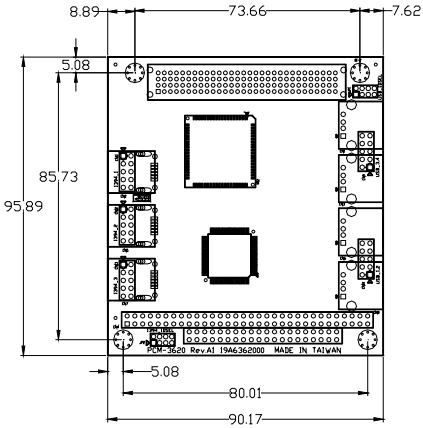
http://service.advantech.com/support

This manual is for the PCM-3620

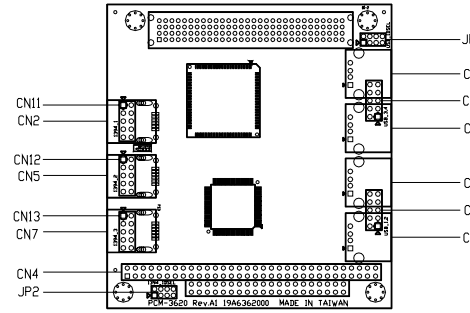
Part No. 2006362000 1st Edition
August 2004

Mechnical Drawings

Board Dimensions



Locating Connectors and Jumpers



Jumpers & Connectors

The board has a number of jumpers and connectors that allow you to configure your system to suit your application.

The tables below list the function of each jumper and connector.

Jumpers	
Label	**Function**
JP1	USB PCI ID Select
JP2	1394 PCI ID Select

J1	**USB PCI ID Select**
Close pins	**Result**
1-2	ID-SELECT0
3-4	ID-SELECT1
5-6	ID-SELECT2
7-8	ID-SELECT3

J2	**1394 PCI ID Select**
Close pins	**Result**
1-2	ID-SELECT0
3-4	ID-SELECT1
5-6	ID-SELECT2
7-8	ID-SELECT3

	Connectors
Label	**Function**
CN1	1394-connector1
CN2	1394-connector1
CN3	1394-connector2
CN5	1394-connector2
CN6	1394-connector3
CN7	1394-connector3
CN8	1394-connector4
CN9	USB port 3,4connector(Pin Header)
CN10	USB port 1,2connector(Pin Header)
CN11	1394-connector1(Pin Header)
CN12	1394-connector2(Pin Header)
CN13	1394-connector3(Pin Header)

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