PCM-24D2R2 PCM-24D2R4 PCM-24D4R2 PCM-24D4R4

2-Port Isolated RS-232, mPCle, DB9

2-Port Isolated RS-422/485, mPCle, DB9

4-Port Non-Isolated RS-232, mPCle, DB37 cable

4-Port Non-Isolated RS-422/485 mPCle. DB37 cable



Features

- Meets Advantech Standard iDoor Technology
- PCI Express® Mini Card Specification Revision 1.2 compliant
- Speeds up to 921.6 kbps for extremely fast data transmission
- Supports any baud rate setting (50 bps ~ 921.6 kbps)
- Supports both Isolated & Non-Isolated Protection with 2/4 ports RS-232/422/485
- I/O address automatically assigned by PCIe plug & play
- Supports Windows XP/Vista/7, Linux Ubuntu 12.10
- OXPCIe952/OXPCIe954 UART with 128-byte FIFOs standard
- Supports Embedded Automation PC UNO-2200/2300/2400 series
- Supports Control DIN-Rail PC UNO-1200/1300/1400 series
- Supports Control Cabinet PC UNO-3200/3300/3400 series
- Supports Control Panel Computers TPC-xx81/xx82 series
- Supports Thin Client Panel Computers TPC-xx51 series

Introduction

The PCM-24 series are categorized as communication modules from Advantech iDoor Technology. They are all compatible with the PCI Express® Mini Card Specification Revision 1.2. including Isolated / Non-Isolated RS-232/422/485 communication cards for automation control, Wi-Fi/3G/GPS/GSM/LTE wireless communication models for data exchange during the management and machine level of automation application, Zigbee module as an IoT terminal or controller and PoE function for smart camera in detect inspection application of production. This is a flexible design that enables customers to customize their features which meet iDoor Technology.

Specifications

General

Bus Type PCI Express Mini Card Revision 1.2 Certification CE, FCC class A 2 x Male DB9 for PCM-24D2xx **Connectors**

1 x Female DB37 for PCM-24D4xx Dimensions Module: 51 x 30 x 12.4 mm (2" x 1.18" x 0.49") I/O Plate: 81 x 19.4 x 41 mm (3.19" x 0.76" x 1.61")

 Power Consumption 400 mA @ +3.3 V for PCM-24D2xx 500 mA @ +3.3 V for PCM-24D4xx

Communications

 Comm. Controller 0xPCle952 for PCM-24D2xx OxPCle954 for PCM-24D4xx Data Rits

5, 6, 7, 8

RS-232: TX, RX, RTS, CTS, DTR, DSR, DCD, DI, GND RS-422: TX+, TX-, RX+, RX-, (PCM-24D4R4) Data Signals TX+, TX-, RX+, RX-, CTS+, CTS-, RTS+, RTS-

(PCM-24D2R4) RS-485: Data+, Data-

FIF0 128 bytes

Flow Control RTS/CTS (PCM-24D4R4 not supported), Xon/Xoff

Parity None, Odd, Even, Mark and Space

50 bps ~ 921.6 kbps (PCM-24D2R4 & PCM-24D4R4) Speed 230.4 kbps (PCM-24D2R2 & PCM-24D4R2)

Stop Bits 1, 1.5, 2

Protection

 Isolation Protection 2,000 V_{DC} for PCM-24D2xx only

ESD Protection 15 KV **EFT Protection** 2.500 V 1,000 V_{DC} Surge Protection

Software

 Bundled Software ICOM Tools & Drivers

OS Support

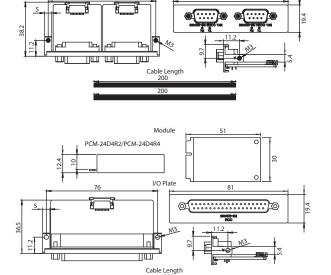
Environment

Humidity (Operating) 5-95% RH, non-condensing Operating Temperature -20 ~ 60°C (-4 ~ 140°F) Storage Temperature -40 ~ 85°C (-40 ~ 185°F)

Microsoft® Windows® XP/Vista/7, Linux Ubuntu 12.10

PCM-24D2R2/PCM-24D2R4

Dimensions



I/O Plate

Ordering Information

PCM-24D2R2-AE

2-Port Isolated RS-232, mPCle, DB9

PCM-24D2R4-AE

2-Port Isolated RS-422/485, mPCle, DB9

PCM-24D4R2-AE PCM-24D4R4-AE 4-Port Non-Isolated RS-232, mPCle, DB37 cable 4-Port Non-Isolated RS-422/485 mPCle, DB37 cable