PCM-28P1AD
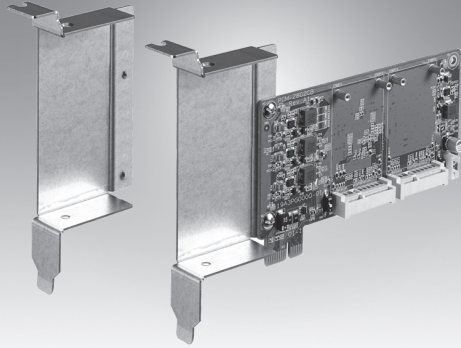# PCM-28P1BK

PCIe to mPCIe, 2-Slots mPCIe, iDoor I/O plate expansion iDoor PCIe I/O Plate

NEW

PCM-28P1BK ▲   PCM-28P1AD ▲

iDoor   RoHS COMPLIANT 2002/95/EC   CE   FCC

Features

- Meets Advantech iDoor technology standard
- PCI Express base SPEC 2.0 and backward compatible with SEPC 1.1 & 1.0a compliant
- PCI Express® Mini Card specification revision 1.2 compliant
- Expands two external full-size mPCIe slots from an existing PCIe slot
- Expands one external iDoor I/O module plate from existing PCIe plate
- Supports Microsoft® Windows® XP/7/8
- Supports control DIN-Rail PC UNO-1400 series
- Supports control cabinet PC UNO-3200/3300/3400 series

*Please visit Advantech's websites for the latest iDoor modules support information

Introduction

The PCM-28 series are expansion kits providing multi-application solutions using 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 for management and machine level automation applications; the ZigBee module serves as an IoT terminal or controller, and PoE function for smart cameras in detection-inspection-production applications. This is a flexible design that enables customers to customize their features with iDoor Technology.

Specifications

General

- **Bus Type**   PCI Express® Rev. 2.0 compliant
- **Interface**   PCI Express® Mini Card Specification Revision 1.2 compliant
- **Certification**   CE, FCC class A
- **I/O Connectors**   1 x PCI Express Male, 2 x mPCIe Female
- **Dimensions**   173 x 120.8 x 21.6mm (6.8" x 4.8" x 0.9")
- **Power Consumption**   Input: +12 V/2.1 A, +3.3 VSB/375 mA
  Output: +3.3 V/1.1 A, +1.5 V/375 mA

Software

- **OS Support**   Windows® XP/7/8
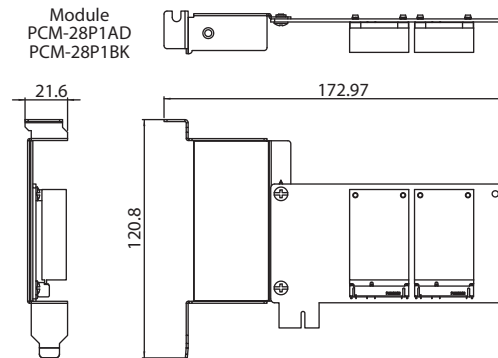
Environment

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

Supports iDoor Module

- **PCM-24D2R2-BE**   2-Port Isolated RS-232, mPCIe, DB9, USB type
- **PCM-24D2R4-BE**   2-Port Isolated RS-422/485, mPCIe, DB9, USB type
- **PCM-24D4R2-BE**   4-Port Non-Isolated RS-232, mPCIe, DB37 cable, USB type
- **PCM-24D4R4-BE**   4-Port Non-Isolated RS-422/485 mPCIe, DB37 cable, USB type
- **PCM-26D2CA-AE**   2-Port Isolated CANBus mPCIe, CANOpen, DB9
- **PCM-27D24DI-AE**   24-Channel Isolated Digital I/O w/ counter mPCIe, DB37
- **PCM-2300MR-AE**   MR4A16B, MRAM, 2 MByte, mPCIe
- **PCM-24S2WF-AE**   Wi-Fi 802.11 a/b/g/n 2T2R w/ Bluetooth4.0, Half-size mPCIe, 2-port SMA
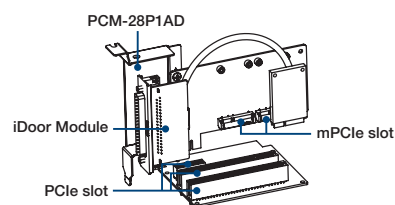- **PCM-24U2U3-AE**   2-Port USB 3.0, mPCIe, USB-A type

Dimensions

Module
PCM-28P1AD
PCM-28P1BK

21.6   172.97

120.8

Ordering Information

- **PCM-28P1AD-AE**   PCIe to mPCIe, mPCIe Slot x2, iDoor PCIe I/O plate x1
- **PCM-28P1BK-AE**   iDoor PCIe I/O Plate

User scenario

2-Slots mPCIe expansion

PCM-28P1AD

iDoor Module

PCIe slot

mPCIe slot

iDoor with PCIe I/O Plate

PCM-28P1BK

iDoor Module

ADVANTECH   **iDoor Technology Modules**

All product specifications are subject to change without notice.   Last updated: 13-Sep-2021