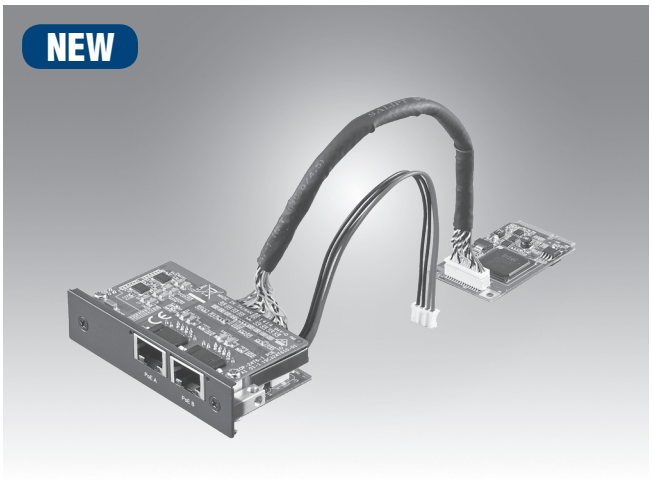
PCM-24R2PE

2-Port Gigabit Ethernet, IEEE 802.3af (PoE) Compliant, mPCIe, RJ45



Features

- Meets Advantech iDoor technology standard
- PCI Express® Mini card specification revision 1.2 compliant
- Supports 2 Gigabit Ethernet MAC controller and PHY ports
- Supports 24 VDC input power boost up to 15.4 W at 48 VDC per PoE port
- Supports PoE (Power over Ethernet), IEEE 802.3af compliant
- Powered device (PD) auto detection and classification
- Supports IEEE 802.3u auto-negotiation
- Supports 32/64-bit Windows 7/8, Linux 2.4/2.6
- Supports embedded automation PC UNO-2400 series
- Supports control DIN-Rail PC UNO-1300/1400 series
- Supports control cabinet PC UNO-3200/3300/3400 series

Introduction

The PCM-24 series are communication modules from Advantech iDoor Technology. They are all compatible with 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; 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 Mini Card Revision 1.2
- **Certification** CE, FCC class A
- **Connectors** 2 x RJ45 GbE Half-/Full-Duplex
- **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")

*Shielding ethernet cable is recommended for use in PoE applications.

Communications

- **PoE Controller** MICROSEMI_PD69101ILQ-TR
- **Compatibility** IEEE 802.3, IEEE 802.3u,IEEE802.3ab, IEEE802.3x, IEEE802.3af
- **Speed** 10/100/1000 Mbps
- **No. of Ports** 2 Gigabit Ethernet Media Access Control (MAC) and physical layer (PHY) ports.

Power Requirements

- **Input Voltage** 24 V_{DC}
- **Overload Current** Present Protection
- **Connection** Internal 24 V_{DC}
  External 24 V_{DC} Phoenix terminal block (Optional add-on)
- **Output PoE Power** 48 V_{DC} PoE Power output PCM-24R2PE
  Supports 2 PoE ports up to 2 x 15.4 W at 48 V_{DC}

Protection

- **Isolation Protection** 1,600 V_{DC}
- **ESD Protection** 4KV (Contact), 8KV (Air)
- **EFT Protection** 1,000 V

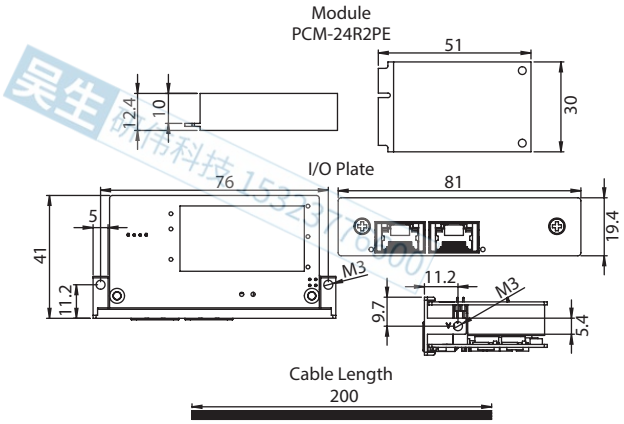
Software

- **OS Support** Microsoft® Windows® XP/7/8, Linux 2.4/2.6

Environment

- **Operating Humidity** **5 ~ 95% RH**
- **Operating Temperature** **-20 ~ 50°C (-4 ~ 122°F)**
- **Storage Temperature** **-25 ~ 80°C (-13 ~ 176°F)**

Dimensions



Ordering Information

- **PCM-24R2PE-AE** 2-Port Gigabit Ethernet, IEEE 802.3af (PoE) Compliant, mPCIe, RJ45

All product specifications are subject to change without notice.