# PCM-24RITP 1-Port Gigabit Ethernet, Intel® 82574L, mPCle. RJ45

## mPCle, RJ45











#### **Features**

- Meets Advantech iDoor technology standard
- PCI Express<sup>®</sup> Mini card specification Revision 1.2 compliant
- Real-time Ethernet with hardware based precision time protocol
- Achieves time synchronization for device or system
- I/O address automatically assigned by PCle plug & play
- Supports 32/64-bit Windows 7/8, Linux 2.4/2.6
- 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 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

1 x RJ45 GbE Half-/Full-Duplex Connectors

Module: 51 x 30 x 12.4 mm (2" x 1.18" x 0.49") Dimensions

I/O Plate: 81 x 19.4 x 41 mm (3.19" x 0.76" x 1.61")

Power Consumption Typical: +3.3V @ 9 W

#### **Communications**

 LAN Controller Intel® 82574L Gigabit Ethernet Chip Speed 10/100/000BASE-TX, Auto-negotiation

Support 9K jumbo frames, hardware-based support for precise

time synchronization over Ethernet, wake-on-LAN

#### **Protection**

 Isolation Protection 1,500 V<sub>DC</sub>

 ESD Protection 4KV (Contact), 8KV (Air)

 EFT Protection 1,000 V Surge Protection 1,000 V<sub>DC</sub>

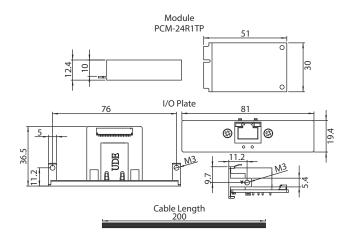
#### **Software**

 OS Support Microsoft® Windows® XP/7/8, Linux Ubuntu 14.04

#### **Environment**

• Humidity (Operating) 5-95% RH, non-condensing • Operating Temperature  $-20 \sim 60^{\circ}\text{C} (-4 \sim 140^{\circ}\text{F})$ • Storage Temperature  $-40 \sim 85$ °C ( $-40 \sim 185$ °F)

#### **Dimensions**



## **Ordering Information**

■ PCM-24R1TP-AE 1-Port Gigabit Ethernet, Intel® 82574L, mPCle, RJ45