# PCM-24R1TP

**1-Port Gigabit Ethernet, Intel® 82574L, mPCIe, RJ45**

**NEW**

## Features

- Meets Advantech Standard iDoor Technology
- PCI Express® Mini Card Specification Revision 1.2 compliant
- Real-time Ethernet with hardware based Precision Time Protocol
- Make device or system synchronization happen
- I/O address automatically assigned by PCIe plug & play
- Supports 32-bits/64-bits Windows 7/8, and Linux 2.4/2.6
- Supports Embedded Automation Computers UNO-2200/2300/2400 series
- Supports Embedded DIN-Rail Controller UNO-1200/1300/1400 series
- Supports Embedded BOX IPC UNO-3000 series
- Supports Embedded Automation Panel Computers TPC-xx82/xx72/xx80 series

iDoor  IEEE1588  RoHS COMPLIANT 2002/95/EC  CE  FCC

## 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
- **Connectors**    1 x RJ45 GbE Half-/Full-Duplex
- **Dimensions**    Module: 51 x 30 x 12.4mm (2" x 1.18" x 0.49")
  I/O Plate: 81 x 19.4 x 41mm (3.19" x 0.76" x 1.61")
- **Power Consumption**    Typical : +3.3V @9W

### Communications

- **LAN Controller**    Intel® 82574L Gigabit Ethernet Chip
- **Speed**    10/100/1000 Base-TX, Auto-negotiation
- **Support**    9K jumbo frames, hardware-based support for precise time synchronization over Ethernet, wake-on-LAN

### Protection

- **Isolation Protection**    1,500 $V_{DC}$
- **ESD Protection**    4KV (Contact),8KV (Air)
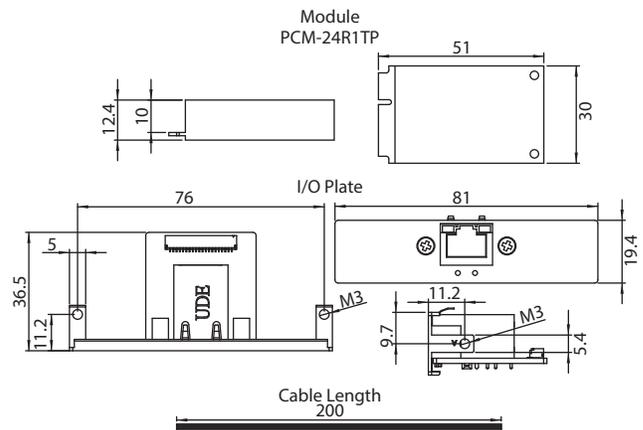- **EFT Protection**    1,000 V
- **Surge Protection**    1,000 $V_{DC}$

### Software

- **OS Support**    Microsoft® Windows® 7/8 and Linux

### Environment

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

## Dimensions

Module PCM-24R1TP

51   12.4   10   30

I/O Plate

76   81   19.4

5   36.5   11.2   UDB   M3   11.2   M3   9.7   5.4

Cable Length 200

## Ordering Information

- **PCM-24R1TP-AE**    Intel® 82574L, GbE, RJ45 x 1