

PCM-34R1TP

1-Port Gigabit Ethernet,
Intel® I225, 2.5Gb/s, IEEE 1588, TSN,
1x RJ45, B+M key (3042, PCIe1)

NEW



Features

- Meets Advantech iDoor technology standard
- Single 2.5GbE LAN Port (RJ45)
- M.2 3042 B+M Key compliant (PCI Express)
- PCIe Gen2 x1 bandwidth specification
- Supports Time Sensitive Network (TSN) (IEEE 1588) and PXE
- Compatible with embedded automation PC UNO-1/2/3/4 series
- Compliant with FCC/CE Class A Certification
- Operation temperature 0~60 degree support

Introduction

The PCM-34R series can enhance network performance, security, reliability, and provide more flexible network configuration options for specific application scenarios.

PCM-34R1TP supports TSN (Time Sensitive Networking), which is an update to the IEEE Ethernet standard intended to address the needs of control systems with standard Ethernet technology. Also, PCM-34R1TP features on supporting TSN that can be used in Audio/Video Bridging (AVB) applications and industrial applications that require TSN capabilities.

This is a flexible design that enables customers to customize their features with iDoor Technology.

Specifications

General

- **Bus Type** M.2 3042 B+M Key compliant
- **Interface** PCIe Express
- **Connectors** 1 x RJ45 GbE Half-/Full-Duplex
- **Certification** CE, FCC class A
- **Dimensions** Module: 42 x 30 x 12.4 mm (1.65" x 1.18" x 0.49")
I/O Plate: 81 x 19.35 x 41.5 mm (3.19" x 0.76" x 1.63")
- **Power Consumption** Typical: +3.3V @ 2.2 W

Communications

- **LAN Controller** Intel® I225-IT Ethernet Chip
- **Speed** 10/100/1000/2500 BASE-TX, Auto-negotiation
- **Support** IEEE 1588

Protection

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

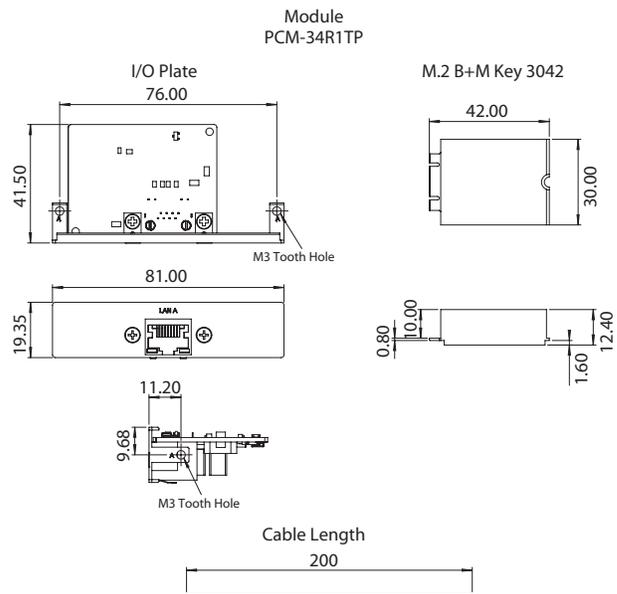
Software

- **OS Support** Microsoft® Windows® 10, Linux

Environment

- **Operating Humidity** 10 ~ 95% RH @ 40 °C/104 °F, non-condensing
- **Operating Temperature** 0 ~ 60°C (32 ~ 140°F)
- **Storage Temperature** -20 ~ 80°C (-4 ~ 176°F)

Dimensions



Ordering Information

- **PCM-34R1TP-AE** 1-Port Gigabit Ethernet, Intel® I225, 2.5Gb/s, IEEE 1588, TSN, 1x RJ45, B+M key (3042, PCIe1)