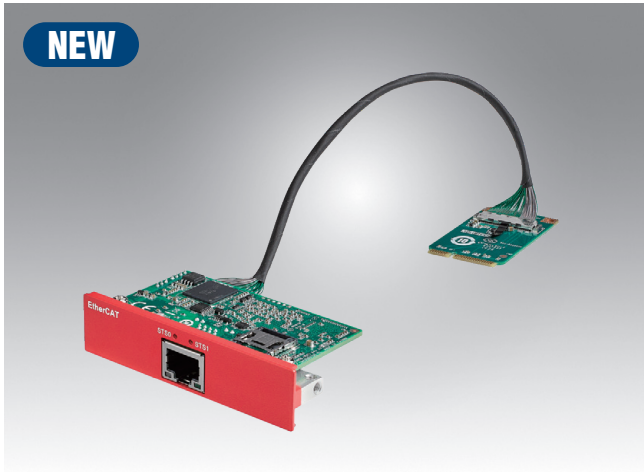


# PCM-26R1EC

## 1-Port EtherCAT I/O Master mPCIe Card

NEW



CE FCC

### Features

- Meets Advantech iDoor technology standard
- PCI ExpressR Mini card specification revision 1.2 compliant
- Identical interface for all EtherCAT Motion Cotrollers
- Support high speed IO control in EtherCAT
- Connect I/O slaves automatically without ESI/ENI
- Easy-to-use EtherCAT integrated development environment
- Provide Error Detection and Diagnostics to monitor the entire EtherCAT network

### Introduction

Advantech designed iDoor technology by support for the flexible optional connector arrangement for the Advantech embedded Automation computing platform including connector, internal cabling and a wide range of I/O and communication Modules. PCM-26R1EC is an ARM-based EtherCAT Master with Advantech iDoor technology. It can support as pure I/O master. Data exchange and memory allocation in EtherCAT communication can be executed automatically by the PCM-26R1EC series. You can benefit from EtherCAT's high-performance communication features without having to handle the complicated EtherCAT communication protocol. It also supports "Common Motion API" for all EtherCAT slaves connected automatically without ESI/ENI. Motion utility is easy to use and configure EtherCAT system and provides Error Detection and Diagnostics to monitor the entire EtherCAT network.

### Specifications

#### General

- **Bus Type** PCI Express Mini Card Revision 1.2
- **Certification** CE, FCC
- **Connectors** 1 x Female RJ45
- **Dimensions** Module: 51 x 30 x 12.4 mm (2" x 1.18" x 0.49")  
I/O Plate: 81 x 19.4 x 45 mm (3.19" x 0.76" x 1.61")
- **Power Consumption** Typical : +3.3 V @ 650 mA

#### Communications

- **Controller** I/O Master
- **Protocol** EtherCAT
- **Signal interface** Isolation 10BASE-T/100BASE-TX
- **Speed** 100 Mbps, 10 Mbps (depending on loaded firmware)
- **Displays** STS, System status LED

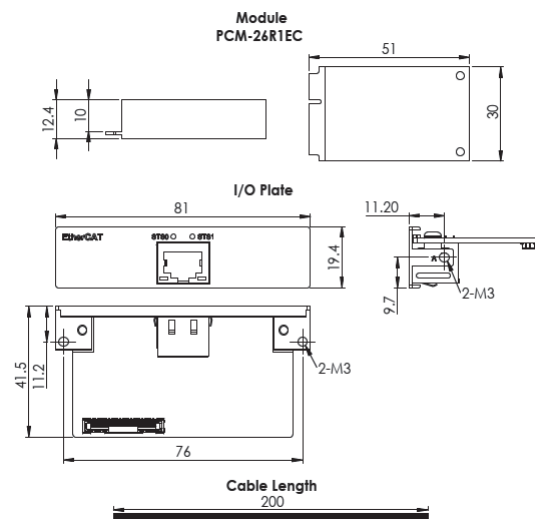
#### Software

- **OS Device** Windows
- **Utility** Common Motion Utility

#### Environment

- **Humidity (Operating)** 10-95% RH, non-condensing
- **Operating Temperature** 0 ~ 60°C (32 ~ 140°F)
- **Storage Temperature** -20 ~ 85°C (-4 ~ 185°F)

### Dimensions



### Ordering Information

#### Master

- **PCM-26R1EC-M00AE** 1-Port EtherCAT I/O Master mPCIe Card