

# PCM-24S2WF

WiFi 802.11 ac/a/b/g/n 2T2R w/Bluetooth 4.1, M.2/Full-size mPCIe, Antennas

**NEW**



## Features

- Meets Advantech iDoor Technology Standard
- M.2 2230 (A-E Key) module with mPCIe adapter
- IEEE 802.11 ac/a/b/g/n + Bluetooth 4.1
- 2 SMA, 2Tx/ 2Rx ports
- 64/128 bit WEP, 802.1x, TKIP and AES
- Operating temperature: -20 ~ 65 °C (-4 ~ 149°F)
- Support Embedded Automation PC UNO series & Panel PC TPC series product

## 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 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** M.2 / mPCIe
- Host Interface** WiFi: PCI-E, BT: USB
- Certification** CE, FCC
- Dimensions** M.2 module: 30 x 22 x 2.2mm (1.18" x 0.87" x 0.09")  
Module with mPCIe adapter: 54.5 x 30 x 5.7mm (2.15" x 1.18" x 0.22")  
I/O Plate: 81 x 19.4 x 41 mm (3.19" x 0.76" x 1.61")
- Power Consumption** 3.3V, 537mA (Avg.)  
(Wi-Fi continue, BT is off, BW 80MHz)
- Antenna** WiFi 2.4 GHz and 5 GHz dipole antenna
- Cable** WiFi Coaxial Cable, SMA (F) to MHF4, 300 mm

### Communications

- Data throughput** 300 Mbps (Max.)
- Security** 64/128-bit WEP

### Software

- OS Support** Microsoft® Windows® 7/8.X/10

### Environment

- Operating Temperature** -20 ~ 65 °C (-4 ~ 149°F)
- Storage Temperature** -40 ~ 105°C (-40 ~ 221°F)

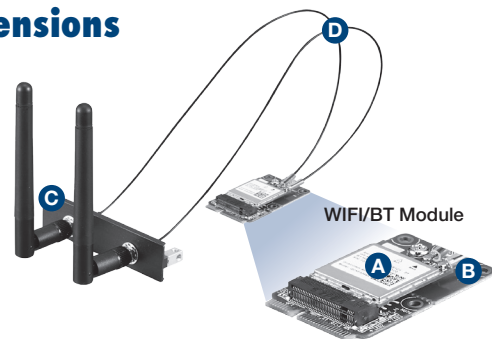
## Regulation

The PCM-24S2WF-BE adopts QCA6174A single chip solution and corresponds to its regulations of module QCNFA364A.

## Ordering Information

- PCM-24S2WF-BE** WiFi 802.11 ac/a/b/g/n 2T2R w/Bluetooth 4.1, M.2/Full-size mPCIe, Antennas

## Dimensions



WIFI/BT Module	
A M.2 module	B Module on mPCIe adapter
C I/O Plate	
D Cable Length	