PCM-24BX4G

Modular iDoor Box with LTE-A/UMTS/HSPA+, Antennas, and SIM Slot for EMEA/APAC



Features

- Modular iDoor box design facilitates plug-and-play installation and upgrades
- Built-in wireless LTE module supports M.2 3042 industry-standard form factor connectors
- Compliant with relevant industry standards (CE RED, RCM, NCC, etc.) for safe and adaptable application

Introduction

The PCM-24BX4G iDoor box is a combination wireless module designed for convenient installation, repair, and upgrades in management and machine-level automation applications. The plug-and-play design supports LTE M.2 3042 form factor connectors. Utilizing Advantech's iFactory app, this multiple-band wireless solution supports Windows and Linux operating systems for flexible installation.

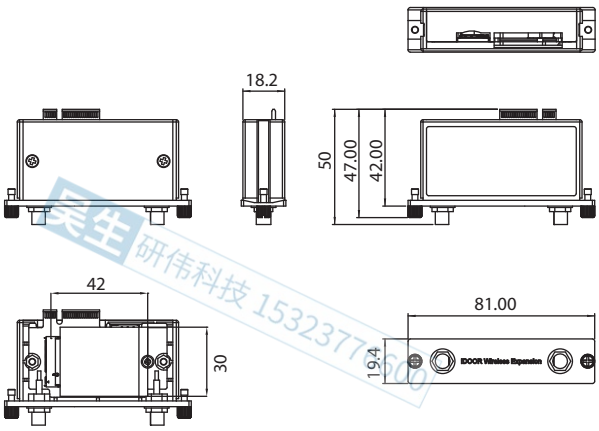
Specifications

Dimensions	81 x 19 x 50 mm (3.1 x .76 x 1.9 in)
Hardware Compatibility	Compatible with PCM-24BXBK-AE pre-installed system
Wireless Module	Quectel EM06 LTE-A Cat 6 M.2 3042 module
Bands	LTE-FDD: B1/B3/B5/B7/B8/B20/B28/B32(1) LTE-TDD: B38/B40/B41 2xCA: B1+B1/B5/B8/B20/B28;B3+B3/B5/B7/B8/B20/B28;B7+B5/B7/B8/B20/B28; B20+B32(1); B38+B38; B40+B40; B41+B41 WCDMA: B1/B3/B5/B8
Data Rate	LTE-FDD data rate (Mbps) : 300 (DL)/50 (UL) LTE-TDD data rate (Mbps) : 226 (DL)/28 (UL) DC-HSPA data rate (Mbps) : 42 (DL)/5.76 (UL) WCDMA data rate (Kbps) : 384 (DL)/384 (UL)
GNSS	N/A (Antenna change upon request)
Antenna	700 ~ 960 MHz, 1710 ~ 2700 MHz
OS Support	Windows 7/8/8.1/10, Linux 2.6/3.x/4.1 ~ 4.14
Operating Temperature	-20 ~ 60 °C (-4 ~ 149 °F)
Relative Humidity	95% RH @40 °C, non-condensing

(1) LTE-FDD B29 and B32 support receipt transactions only, and are exclusively for secondary component carriers in 2xCA

Dimensions

Unit: mm



Regulation

PCM-24BX4G utilizes the Quectel EM06-E module and complies with relevant regulations.

Ordering Information

- **PCM-24BX4G-AE** iDoor box with Cat. 6, LTE-A/UMTS/HSPA+, EM06-E, antennas for EMEA/APAC

Compatibility

Model	UNO-1372G-J	UNO-2372G-x022AE	UNO-2484G-67x2AE	UNO-3285C	TPC-B200	TPC-XX51T (A or B)	TPC-125H
iDoor Box	✓	✓	✓	✓	✓	✓	✓

Before installing iDoor box, ensure that the target system is compatible with PCM-24BXBK-AE.

All product specifications are subject to change without notice.

Last updated: 25-May-2020