

PCM-24S34G

LTE/HSPA+/GPRS, Full-size mPCIe, w/ SIM Slot, 4G Antennas

NEW



Features

- Meets Advantech Standard iDoor Technology
- Standard PCI Express® Mini Card form factor
- LTE category 4 module optimized for broadband IoT applications
- MIMO technology meets demands for data rate and link reliability
- Multi-constellation GNSS receiver available
- Operating temperature: -40 ~ 80°C (-40 ~ 176°F)
- Supports Windows 7/8/8.1/10, Linux 2.6/3.x/4.1-4.14, Android 4.x/5.x/6.x/7.x/8.x/9.x

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/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

- Form Factor
- Interface
- Certification

PCI Express Mini Card Revision 1.2
 USB
 Carrier: Verizon*/AT&T*/T-Mobile*/Sprint* (North America)
 Regulatory: GCF* (Global), CE (Europe), FCC*/PTCRB* (North America), IC* (Canada), Anatel* (Brazil), IFETEL* (Mexico), SRRC/CCC/NAL* (China), KC* (South Korea), NCC* (Taiwan), JATE/TELEC (Japan), RCM* (Australia), FAC* (Russia), NBTC* (Thailand), ICASA* (South Africa)
 Others: RoHS Compliant, WHQL
 * Under Development
 Module: 51 x 30 x 4.9 mm (2" x 1.18" x 0.19")
 I/O Plate: 81 x 19.4 x 41 mm (3.19" x 0.76" x 1.61")
 < 900 mA (LTE connected Mode)
 3.3V ~ 3.6V
 Coaxial GSM/ GPS cable, 250 mm

Dimensions

- Power Consumption
- Operation Voltage
- SMA Cable

Communication

Bands

LTE FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/B28
 LTE TDD: B38/B39/B40/B41
 WCDMA: B1/B2/B4/B5/B6/B8/B19
 GSM: B2/B3/B5/B8

Data

LTE:
 LTE FDD: Max 150Mbps (DL)/Max 50Mbps (UL)
 LTE TDD: Max 130Mbps (DL)/Max 30Mbps (UL)
 UMTS:
 DC-HSDPA: Max 42Mbps (DL)
 HSUPA: Max 5.76Mbps (UL)
 WCDMA: Max 384Kbps (DL)/Max 384Kbps (UL)
 GSM:
 EDGE: Max 296Kbps (DL)/Max 236.8Kbps (UL)
 GPRS: Max 107Kbps (DL)/Max 85.6Kbps (UL)

Antenna

- 4G Antenna Frequency: 700 ~ 960 MHz, 1710 ~ 2700 MHz
- 4G Antenna Length: 167 mm

Software

- OS Support: Supports 32/64-bit Windows 7/8/8.1/10, Linux Ubuntu 14.04

Environment

- Humidity (Operating): 10 ~ 95% RH, non-condensing
- Operating Temperature: -40 ~ 80°C (-40 ~ 176°F)

Regulation

PCM-24S34G-CE employs Quectel wireless EG25-G module and corresponds to its regulation.

Ordering Information

- PCM-24S34G-CE EG-25G LTE/HSPA+/GPRS, mPCIe, Ant

Dimensions

