

# 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  
 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

