

PCM-24S34G

LTE/HSPA+/GPRS, Full-size mPCIe, w/ SIM Slot, 4G Antennas, for EMEA/APAC and Americas regions

NEW



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** PCI Express Mini Card Revision 1.2
- Interface** USB
- Certification** PCM-24S34G-EBE: PTCRB, GCF, FCC, ISED, RED, NCC, KCC, RCM
PCM-24S34G-ABE: PTCRB, GCF, FCC, ISED, RED
- Dimensions** Module: 51 x 30 x 6.2 mm (2" x 1.18" x 0.25")
I/O Plate: 81 x 19.4 x 41 mm (3.19" x 0.76" x 1.61")
- Power Consumption** < 900 mA (LTE connected Mode)
- Operation Voltage** 3.3V ~ 3.6V
- SMA Cable** Coaxial GSM/ GPS cable, 250 mm

Communication

Model Name	PCM-24S34G-EBE	PCM-24S34G-ABE
Communication	Bands	
4G/LTE Cat. 4	Band 1 (2100 MHz) Band 3 (1800 MHz) Band 5 (850 MHz) Band 7 (2600 MHz) Band 8 (900 MHz) Band 20(850 MHz)	Band 2 (1900 MHz) Band 4 (1700 MHz) Band 5 (850 MHz) Band 7 (2600 MHz) Band 17(700 MHz)
3G UMTS/HSPA	Band 1 (2100 MHz) Band 2 (1900 MHz) Band 5 (850 MHz) Band 8 (900 MHz)	
2G GSM/GPRS/EDGE	850/900/1800/1900 MHz	
Data rates (LTE)	Maximum Downlink: 150 Mbps Maximum Uplink: 50 Mbps	

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 ~ 85°C (-40 ~ 185°F)

Regulation

PCM-24S34G employs U-blox wireless TOBY-L200/210 module and corresponds to its regulation.

Features

- Meets Advantech iDoor technology standard
- PCI Express® Mini card specification revision 1.2 compliant
- Supports B1, B2, B3, B4, B5, B7, B8, B17, B20 for LTE network
- Supports 850/900/1900/2100 MHz for UMTS/HSPA+ network
- Supports 850/900/1800/1900 MHz for EDGE/GPRS/GSM network
- Operating temperature: -40 ~ 85°C (-40 ~ 185°F)
- Supports 32/64-bit Windows 7/8/8.1/10, Linux Ubuntu 14.04

Ordering Information

- PCM-24S34G-EBE** U-blox TOBY-L210 LTE/HSPA+/GPRS, mPCIe, antennas, for EMEA/APAC
- PCM-24S34G-ABE** U-blox TOBY-L200 LTE/HSPA+/GPRS, mPCIe, antennas, for America

Dimensions

