PCM-24S33G

Wide-Temp 3.75G HSPA and GPS, 2-in-1, Full-size mPCIe, 2-port SMA

NEW

Features

- Meets Advantech Standard iDoor Technology
- PCI Express® Mini Card Specification Revision 1.2 compliant
- 6-bands, 800/850/900/1700/1900/2100 MHz for UMTS/HSPA network
- 850/900/1800/1900 MHz for EDGE/GPRS/GSM network
- With hardware standalone GPS, u-blox MAX-6
- With SIM card holder
- HSDPA 7.2 Mbps, HSUPA 5.76 Mbps
- Operating temperature: -40 ~ 85°C (-40 ~ 185°F)
- Supports 32/64-bit Windows XP/7/8/8.1, Linux 2.4/2.6
- Supports Embedded Automation PC UNO-2200/2300/2400 series
- Supports Control DIN-Rail PC UNO-1200/1300/1400 series
- Supports Control Cabinet PC UNO-3200/3300/3400 series
- Supports Control Panel Computers TPC-xx81/xx82 series

iDoor RoHS COMPLIANT 2002/95/EC CE FCC

Introduction

The PCM-24 series are categorized as communication modules from Advantech iDoor Technology. They are all compatible with the 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 during the management and machine level of automation application, Zigbee module as an IoT terminal or controller and PoE function for smart camera in detect inspection application of production. This is a flexible design that enables customers to customize their features which meet iDoor Technology.

Specifications

General

- **Bus Type** — PCI Express Mini Card Revision 1.2
- **Certification** — CE, FCC class A
- **Dimensions** — Module: 51 x 30 x 12.4 mm (2" x 1.18" x 0.49")
  I/O Plate: 81 x 19.4 x 41 mm (3.19" x 0.76" x 1.61")
- **Power Consumption** — 3.3~3.6 V, <700 mA (HSPA connected mode)
- **Antenna** — 824~960 MHz, 1710~2170 MHz dipole antenna, 109 mm
  GPS antenna 1575MHz, cubic antenna 45 x 35 x 14 mm, wire length 5000mm
- **Cable** — Coaxial GSM/ GPS cable, 250 mm

Communications

- **Frequency Band** — UMTS/HSPA: 800/850/900/1700/1900/2100 MHz
  EDGE/GPRS/GSM: 850/900/1800/1900 MHz
- **Data throughput** — Downlink: 7.2 Mbps
  Uplink: 5.76 Mbps

Software

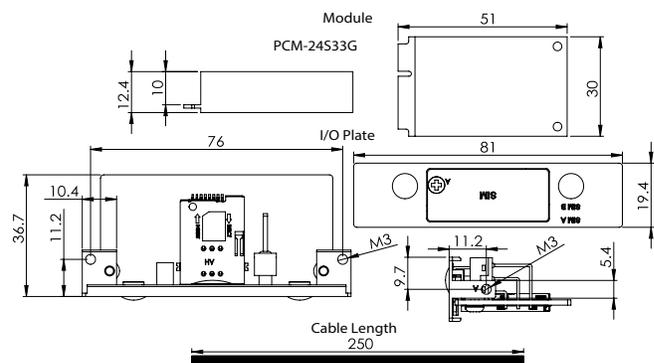- **OS Support** — Microsoft® Windows® XP/7/8/8.1, Linux 2.4/2.6

Environment

- **Humidity (Operating)** — 5-95% RH, non-condensing
- **Operating Temperature** — -40 ~ 85°C (-40 ~ 185°F)

Regulation

PCM-24S33G-AE employs u-blox LISA-U200/Max-6 as main chipset and corresponds to its regulation.

Dimensions

Module
PCM-24S33G
I/O Plate
Cable Length 250

Ordering Information

- **PCM-24S33G-AE** — Wide-Temp 3.75G HSPA and GPS, 2-in-1, Full-size mPCIe w/ dual SIM Card holder, Antenna, cable
- **PCM-24S300-AE** — Antenna kit for 3G/GPS solution, dual-SIM card holder w/ switch, antenna, cables

User scenario

SMA Connector
Switch
SIM Card
mPCIe Card