PCM-24S33G

3.75G HSPA and GPS, Full-Size mPCIe, Front-Accessible Dual SIM Card Slots, 3G/GPS Antennas

NEW

iD♦♦r RoHS COMPLIANT 2002/95/EC CE FCC

Features

- Meets Advantech iDoor technology standard
- 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/7/8/8.1/10, 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

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/GPS/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** — 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

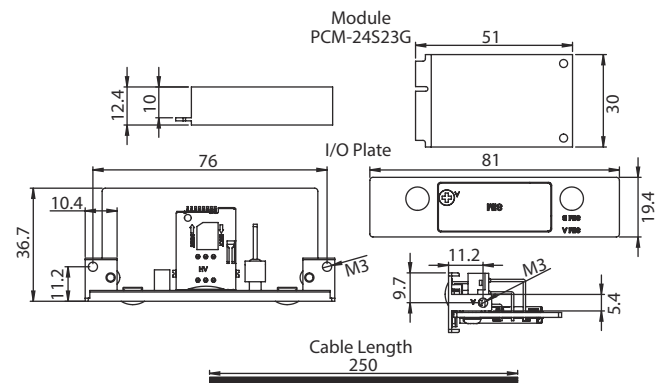- **OS Support** — Microsoft® Windows® XP/7/8/8.1/10, Linux Ubuntu 14.04

Environment

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

Regulation

PCM-24S33G-AE employs u-blox LISA

Dimensions

Ordering Information

- **PCM-24S33G-AE** — 3.75G HSPA/GPS, Full-size mPCIe, Front-accessible dual SIM card slots, 3G/GPS antennas

User Scenario