Cellular
Communicator Module

PCS250 / PCS250G

GPRS / GSM Communicator Module

Features

- Reports events to the IPR512 GPRS / IP Monitoring Receiver and / or the IPRS-7 PC Receiver Software
- Instant notification of panel supervision loss
- Easily Arm / Disarm the system via SMS
- Reports alarms via text messages to up to 16 cellular phone numbers
- Simple installation with 4-wire serial connection
- Supports 2 cellular provider SIM cards for provider redundancy
- Tamper switch support
- Messages are secured with 256-bit (AES) encryption
- Optional rod antenna can be installed up to 18m (60 ft) from the module using optional antenna cable extensions depending on the local signal strength

Features specific to PCS250

- Send pre-recorded voice messages to up to eight telephone numbers to report alarms using the optional VDMP3 Paradox Plug-in Voice Module (GSM mode)
- Report via GSM (CID, SIA)

Specifications

Power Class	Class 4 (2W at 850 / 900 MHz) Class 2 (1W at 1800 / 1900 MHz)
Antenna Bandwidth	70 / 80 / 140 / 170 MHz
Antenna Gain	<3 dBi; impedance 50 ohm <2W peak power
Voltage Input	12 Vdc nominal
Current Consumption	100 mA standby, average 450 mA (1.2A peak) during GPRS / GSM transmission
Encryption	128-bit (MD5 and RC4) and 256-bit (AES)
SMS Protocol	8-bit (IRA: ITU-T. 50) or 16-bit (UCS2 ISO / IEC10646)
Humidity	5 to 90%
Operating Temperature	0 to 50 °C (32 to 122 °F)
Dimensions / Weight	17.2 x 9.8 x 4.4 cm (6.8 x 3.9 x 1.7 in.) / 200g (7.05 oz)

CE EN 50131 GRADE 3 EN 50130-5 CLASS II EN 50136 ATS 5 EN 45011 SYSTEM 5

Cellular

New!

PCS260 / PCS265

4G / 3G / 2G / GSM Communicator Module

Features

- 4G (3.75G) / 3G / 2G reporting data to IPR512 or IPRS-7 receivers
- 3G/2G auto connect if 4G not available
- Two SIM cards support for provider redundancy
- Control panel communication supervision
- Future ready for smartphone application access
- Arm or disarm the system via text message (SMS) to the PCS260/265
- 4-wire installation
- Dual tamper switch (wall and cover removal)
- Encrypted communication (128-bit AES)

Feature specific to PCS265:

- Li-ion battery (included) allows operation when panel power is lost for backup reporting
- RS-485 connection to panel (one CVT485 included), allows 100m / 300 ft with battery charge
- Will report panel loss in case of cut wires or loss of power

Specifications

Power Class	Class 4 (2W at 850 / 1900 MHz) Class 2 (1W at 1800 / 1900 MHz)
Antenna Bandwidth	5 bands, wideband
Voltage Input	12 Vdc nominal
Current Consumption	60 mA standby, 300 mA maximum
Encryption	128-bit (AES)
SMS Protocol	7-bit (GSM: 3GPP TS 23.038 / GSM03.38) or 16-bit (UCS2 ISO / IEC10646)
Humidity	0 to 90%
Operating Temperature	-20 to 50 ºC (-4 to 122 ºF)
Dimensions / Weight	20.8 x 7.5 x 2 cm (8.2 x 2.9 x 0.8 in.)

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