

# PCS260 and PCS265

## 3G/2G/GSM Communicator Modules



### Description

The PCS260 and PCS265 deliver GSM, 3G and 2G communication, as well as GSM dialing reporting and data exchange solutions for Paradox systems.

The PCS260/PCS265 provide reliable reporting and two-way communication between Paradox control panels and their respective monitoring stations, as well as personal messaging. Using cellular networks, the PCS260/PCS265 report system events to the monitoring station's automation software via 3G, GPRS, GSM, and SMS backup. The PCS260/PCS265 can be used as a primary communicator or as a backup channel to traditional landline or IP reporting. The modules support remote control capabilities allowing you to arm and disarm with text message (SMS). The PCS260/PCS265 can send SMS text messages to up to 16 mobile phone recipients for alarms and system events such as power loss.

The PCS260 is simple to install via a four-wire serial connection up to 2m (6 ft) from the panel. The PCS modules provide optional antenna cable extensions to help improve reception, if required.

The PCS265 provides an easy and secured remote installation from the panel, connected via RS485 bus up to 300m (1000 ft) from the panel, while a lithium backup battery provides sufficient power to communicate on the cellular network or when disconnected from the panel to signal loss supervision. Battery will be charged to provide power even when connected with popular 18 gauge wire, eliminating the need for external power supply. On the panel side a serial to RS485 converter (CVT485) should be used.

### Features

- ▶ 3G reporting of system events to IPR512 Monitoring Receiver or to the IPRS-7 IP/GPRS PC Receiver Software
- ▶ GSM dialing / reporting to central station via CID or SIA formats
- ▶ 2G auto reconnect in case of 3G failures (European version)
- ▶ PCS265 version with lithium backup battery and RS485 bus, allows remote installation with small gauge wires up to 300m (1000 ft)
- ▶ Report via text message (up to 16 mobile phone recipients)
- ▶ Supports two SIM cards for provider redundancy
- ▶ Bi-directional supervision - The PCS265 will report panel lost, the control panel will generate a trouble, as well as, report it to the monitoring station via IP150 or landline
- ▶ End-user arm disarm functions by sending a text message (SMS)
- ▶ Simple 4-wire installation
- ▶ Optional extension antenna with up to 18m (60 ft) from the module
- ▶ Dual tamper switch (wall and cover removal)
- ▶ Upload/download and upgrade with BabyWare via a 3G connection
- ▶ Encrypted communication (128-bit AES)

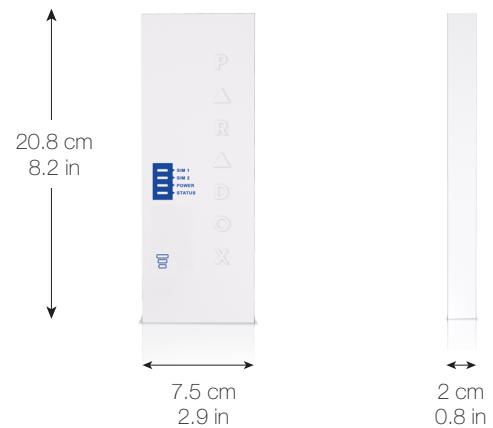
## Optional Accessories

### ▶ Antenna Extensions

Both PCS modules are equipped with an on-board antenna allowing it to be installed separately from the panel. To increase RF reception, an optional external antenna can be installed with an extension cable. Extension cables available: 2m (6 ft), 4m (12 ft), 7m (24 ft), 15m (48 ft), or 18m (60 ft).

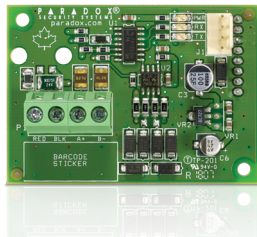


## PCS260 Dimensions



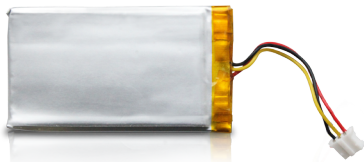
### ▶ CVT485 Module

A CVT485 Plug-in RS485 Converter can be used with the PCS265 only in order to convert serial to RS485, allowing for a connection of the PCS265 up to 300m (1000 ft) from the control panel.



### ▶ Battery

The PCS265 offers a 3.7V Li-Ion battery that provides 1 hour online communication on the cellular network when fully charged.



## Technical Specifications

<b>RF Power</b>	Class 4 (2W) @ 850/1900 MHz Class 2 (1W) @ 1800/1900 MHz UMTS 850/1900 @ 0.25W (America) UMTS 900/2100 @ 0.25W (Europe)
<b>Antenna Bandwidth</b>	5 bands, wideband
<b>Voltage Input</b>	12 VDC nominal
<b>Current Consumption during GPRS/GSM transmission</b>	60 mA standby, 300 mA maximum
<b>Encryption</b>	128-bit (AES)
<b>Humidity</b>	0 – 90% non-condensing
<b>Operating Temperature</b>	-20 to 50 °C (-4 to 122 °F)
<b>Dimensions / Weight</b>	20.8 x 7.5 x 2 cm (8.2 x 2.9 x 0.8 in.)
<b>Certification</b>	Visit Paradox.com for latest certification details at <a href="http://Paradox.com/products/certification">Paradox.com/products/certification</a>