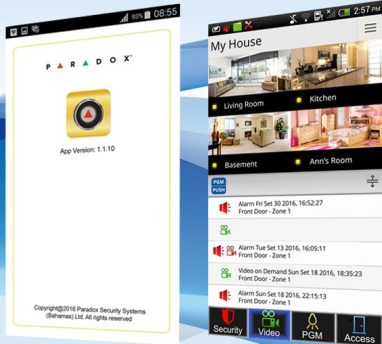# PCS250/250G/260/265
4G/3G/2G/GSM Communicator Modules

Control from your palm Android/iOS

PCS250/250G   **PCS260/265**

Description

Paradox Security Systems offers several cellular solutions providing connectivity via mobile devices (including the Insite GOLD mobile application), reporting to central monitoring station, sending SMS and personal voice dialing. The PCS260/265 delivers 4G/3G/2G data communications or GSM voice reporting solutions, while the PCS250/G provides 2G data speed and/or GSM voice reporting. Paradox cellular modules provide reliable reporting and two-way communication between Paradox control panels, mobile application and CMS, as well as remote site firmware upgrades.

Mobile Connectivity – Insite GOLD and PMH

The PCS modules provide a reliable connection from mobile devices, thanks to the Paradox My Home (PMH) servers, to Paradox systems using the Insite GOLD application. Insite GOLD allows monitoring and control of Security, Access, and Automation via mobile devices – Android or iOS. Menus are easy, simple and user friendly.

Easy Installation

Paradox cellular modules provide easy installation and solutions. Optional antenna cable extensions are available to help improve reception, when required. The PCS265 provides an easy and secured remote installation connected via RS485 bus up to 100m (300 ft) from the panel, and a lithium backup battery provides sufficient power to communicate on the cellular network when connected up to 100m from the panel. As well, it will signal supervision loss to the monitoring station when the wire is cut or disconnected from the panel. The battery allows connection with 18 gauge or even smaller wires far from the panel, eliminating the need for external power supply. On the panel side, a serial to RS485 converter (CVT485) should be used.

Features

▸ 4G (3.75G)/3G/2G speed data and auto connect if 4G not available (PCS260/265)

▸ 2G speed data 3G/2G (PCS250/G)

▸ Communicate with Paradox IPR512 or IPRS-7 receivers

▸ PMH auto connection for Insite GOLD mobile application use

▸ Two SIM card support for provider redundancy

▸ Control panel communication supervision

▸ Arm or disarm the system via text message (SMS)

▸ 4-wire installation

▸ Dual tamper switch (wall and cover removal)

▸ Encrypted communication (128-bit AES)

Battery Backup and RS485 PCS265:

▸ Li-ion battery (included) allows operation when panel power is lost for backup reporting

▸ RS485 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

Voice Reporting (PCS250 GSM only):

▸ Reports alarms by sending pre-recorded voice messages to up to eight telephone numbers using the GSM mode of the optional Paradox Plug-in Voice Module (VDMP3)

KEEPING MY FAMILY SAFE

Optional Accessories

▸ **Antenna Extensions**

The PCS modules are equipped with an on-board antenna allowing them 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).

▸ **CVT485 Module**

A CVT485 Plug-in RS485 Converter can be used with the PCS265 and PCS250 (GSM mode only) allowing connection of these modules 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.

▸ **Plug-In Voice Module (VDMP3) PCS250 – GSM only)**

The VDMP3 is used to arm and disarm your Paradox system. The VDMP3 can also send pre-recorded voice messages for up to eight phone numbers to report alarms via the GSM cellular phone network. The VDMP3 module is mounted directly onto the PCS250 module, and then uses the GSM cellular phone network to deliver voice messages and react to commands.

Technical Specifications

	PCS260/265	PCS250/250G
Worldwide Model	PCS260E, PCS265E: UMTS/HSDPA 900/2100 Mhz, GSM/GPRS/Edge 850/900/1800/1900 Mhz	PCS250, PCS250-G01, PCS250-G03: GSM/GPRS 850/900/1800/1900 MHz
Americas Model	PCS260A, PCS265A: HSDPA/WCDMA 850/1900Mhz	PCS250, PCS250-G01, PCS250-G03: GSM/GPRS 850/900/1800/1900 MHz
Voltage Input	13.8V	13.8V
Current Consumption during GPRS/GSM transmission	60 mA standby 300 mA transmit	100 mA standby 400 mA transmit
Encryption	128-bit (AES)	128-bit
Humidity	5-90%	5-90%
Operating Temperature	-20 to 50 ºC (-4 to 122 ºF)	-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.)	17.2 x 9.7 x 4.4 cm (6.8 x 3.8 x 1.7 in.)
Certification	CE, EN50136-1; EN50136-2 SP5, EN50131-10 Grade 3 Class II Type X, FCC, PTCRB	CE, EN50136 ATS 5 Grade 3 Class II

P ▲ R ▲ D O X™