

PCS200 Communicator Module

The PCS200 Communicator Module provides Paradox control panels with support for wireless communications through a GSM network using three paths including GPRS, GSM (voice channel), and SMS.

The PCS200 can report to the monitoring station using GPRS or GSM, upload/download via GPRS, and perform firmware upgrades via GPRS. The PCS200 can also send and receive SMS text messages, and supports the Paradox Voice Module (VDMP3).

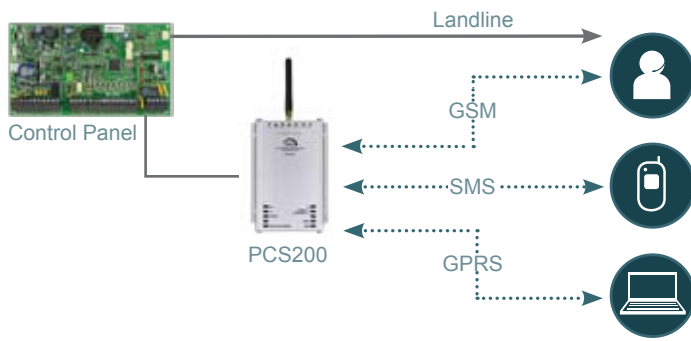


PCS200 Features

- Reports events to the IPR512 GPRS/IP Monitoring Receiver via GPRS or to a landline receiver via GSM
- Fast upload/download with WinLoad or NEware via a GPRS connection
- Firmware upgrades via GPRS or directly on-site
- Report via text message (up to 16 cell phone numbers)
- Control panel communication supervision
- Arm/disarm the system via SMS (text message) - GSM only
- Send pre-recorded voice messages to up to 8 phone numbers to report alarms using the Paradox Plug-In Voice Module (VDMP3) - GSM only
- Simple installation with 4-wire serial connection
- Supports antenna extensions
- 128-bit (MD5) and 256-bit (AES) encryption - GPRS only

PCS200

PCS200 Overview



Central Station Reporting via GPRS or GSM

The PCS200 Communicator Module provides GPRS or GSM reporting. The difference is a simple serial connection change that can implement the desired reporting method. The PCS200 Communicator Module also adds the option to use wireless communication as a primary or backup method to contact the monitoring station. It supports all the reporting formats supported by the panel. The PCS200 also supervises the control panel, and if the connection is lost, the PCS200 module notifies the monitoring station (GSM mode only).

Upload/Download via GPRS

The PCS200 Communicator Module supports upload/download with a WinLoad or NEware connection through a GPRS network at data rates of up to 38.8Kbit/s.



Firmware Upgradeable via GPRS or On-Site

The PCS200 Communicator Module supports PCS200 and control panel firmware upgrades through the GPRS network. These upgrades can be conducted remotely or on-site using a PC with an internet connection, WinLoad, and the PCS200 module's IP address.

Event Notification and System Control via SMS

The PCS200 Communicator Module automatically sends SMS text messages to up to 16 cell phone numbers displaying the nature of the event or trouble. Messages contain event description, site name, date, time, and any associated labels such as area, zone, and serial number. Event descriptions are pre-defined in the PCS200 module and are available in multiple languages (installer selectable). When in GSM mode, end-users can also arm or disarm the system by sending a text message to the PCS200.



Compatible with Voice Module (GSM only)

It is possible to use the GSM network connection to access all the features provided by the VDMP3 Voice Module. Receive pre-recorded voice messages on up to 8 telephone numbers to report burglary, panic or fire alarms. Also, use the voice-guided menus to arm/disarm, control PGMS, and request system status.



Other Features

Control panel communication supervision: The PCS200 will report to the monitoring station should there be a loss of communication with the control panel (GSM mode only).

In-field upgradeable: The PCS200 is in-field firmware upgradeable via GPRS or directly-on site.

Simple installation: Install with a simple 4-wire serial connection up to 1.8m (6ft) from the panel. The module antenna can be installed up to 18m (60ft) from the module using optional antenna extensions.

Optional Accessories

- Plug-In Voice Module (VDMP3) - GSM edition only
- Antenna extensions: EXT2: 2m/6ft; EXT4: 4m/12ft; EXT7: 7m/24ft; EXT15: 15m/48ft; EXT18: 18m/60ft
- 12 Vdc external power supply (PS817)

Specifications

Compatibility	EVO48 and EVO192 panels V2.0 K641 and K641R keypads V1.5 or higher SP Series V3.4 with K32LCD keypads V1.2 E55 panels V3.0 E65 panels V2.1 MG Series V4.0 or higher with K32LCD keypads V1.2 or higher
Output power	Class 4 (2W) @ 850 / 900 MHz Class 2 (1W) @ 1800 / 1900 MHz
Antenna bandwidth	70 / 80 / 140 / 170 MHz
Antenna specs	Gain < 3dBi; impedance 50 ohm; input power > 2W peak power
Power input	12Vdc (dedicated power supply recommended)
Current consumption	80mA standby, max 600mA during GPRS/GSM transmission
Operating temperature	0°C to 50°C (32°F to 122°F)
GPRS data encryption	128-bit (MD5 and RC4) or 256-bit (AES) data encryption
Size (enclosure)	12.2cm x 10.2cm x 4.8cm (4.8in x 4.0in x 1.9in)