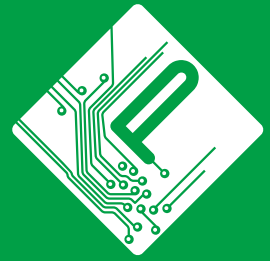


# PM45-4G

(Dual SIM 4G + IP)



The Permaconn solution provides a constant secure link between the supervised premises and the Central Station.

The PM45-4G is a versatile alarm communicator that reports on 4G, 3G and IP to the Central Station.

This communicator can interface with a range of alarm panels using Contact ID. Primary alarm path is IP, followed by 4G/3G in the event of a wired Ethernet failure. The communicator reports on 4G or 3G if there is no IP connected

## Key Features

- ✓ Remote "over-the-air" alarm panel programming using 4G/3G or IP path
- ✓ Dual SIM + IP alarm communicator
- ✓ Plug & Play solution
- ✓ Interfaces with any Contact ID alarm panel
- ✓ 3 input + 3 output, function control using Atlas and/or Pocket Secure
- ✓ Communicator automatically switches between 4G and 3G networks
- ✓ Low current draw, easily powered from alarm panel

## Additional Features

- Small size – Fits inside alarm panel enclosure and suitable for ATM & M2M applications
- Secure VPN within Optus & Telstra networks – Dedicated for Permaconn events only
- AES128 encryption for alarm data – Secure transmissions over the public internet
- High speed RS232 Interface – Future development
- PM45-4G acquires an IP address automatically using the customers DHCP service – No IT headache
- Various diagnostic LEDs – Easy installation
- Activate, commission and diagnose using Atlas – Seamless installation process
- Three (3) dedicated paths of communication – Uptime in excess of 99.9%
- Internal watchdog reset function – No unnecessary service call-outs
- Monitors & reports dialler interface lead status – Panel dialler to Permaconn interface secure
- Compliant to AS2201.5:2008
- Outputs can be configured to arm/disarm alarm system, control gates and lights. 'Pocket Secure' smartphone app controls these functions.



# PM45-4G

## Specifications

<b>Housing Material</b>	ABS plastic - Green
<b>Dimensions</b>	110mm (h) x 25mm (d) x 80mm (w)
<b>Weight</b>	120gm
<b>Operating Environment</b>	0°- 50°C @15% to 85% humidity (non-condensing)
<b>Antenna</b>	Triple band 3G & Triple band 4G
<b>Modem</b>	Quectel EC21
<b>Power</b>	8-15V DC. Terminal (must power from approved supply)
<b>Power Consumption</b>	Standby: 0.08A @13.8V DC Transmitting: 0.19A @13.8V DC
<b>Communication Protocol</b>	Ethernet (10/100BASE-T)
<b>Network Protocol</b>	DHCP or Static IP
<b>Serial Port</b>	High Speed RS232 interface
<b>Auxiliary Input</b>	3 x 24Hr input - state change detected every second. EOL 3.3K
<b>Auxiliary Output</b>	3 x Open Collector output @ 50mA (max) Function control using Atlas web portal and/or 'Pocket Secure'
<b>Static IP Network Configuration</b>	Ethernet interface using 'IpSetup' program Atlas web portal using mobile connection
<b>Data Security</b>	AES Encryption
<b>Supported Modulation</b>	BELL-103, ITU-V21/V22/V22B
<b>Approvals</b>	EN 55022:2006/A1:2007, AS/CA S042.1-2011, AS/CA S042.4-2011 AS/NZS 60950.1-2011, AES2201.5:2008, EN 62311:2008, EN 301489-1 EN 301 489-24, EN 301 908-1, EN60950-1