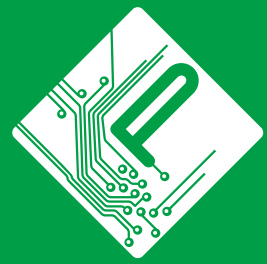


# PM45-4G

(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<br>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.<br>EOL 3.3K   |
| <b>Auxiliary Output</b>                | 3 x Open Collector output @ 50mA (max)<br>Function control using Atlas web portal and/or 'Pocket Secure'   |
| <b>Static IP Network Configuration</b> | Ethernet interface using 'IpSetup' program<br>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<br>AS/NZS 60950.1-2011, AES2201.5:2008, EN 62311:2008, EN 301489-1<br>EN 301 489-24, EN 301 908-1, EN60950-1 |