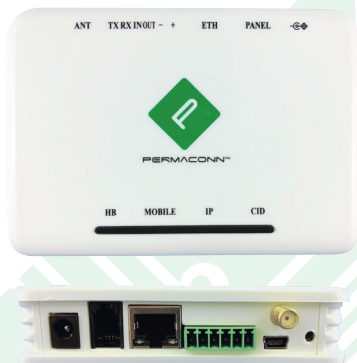# PM45 (Dual SIM GPRS + IP)
& PM45-3G (Dual SIM 3G + IP)

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

The PM45 and PM45-3G are versatile alarm communicators that report on GPRS, 3G and IP to the Central Station.

These communicators can interface with a range of alarm panels using Contact ID. Primary alarm path is IP, followed by GPRS/3G in the event of a wired Ethernet failure. If no IP connection exists the communicators will report on GPRS or 3G only.

Key Features

✓ Remote alarm panel Upload/Download available using GPRS/3G/IP

✓ Dual SIM + IP alarm communicator	✓ Plug & Play solution	✓ Interfaces with any Contact ID alarm panel
✓ 1 input + 1 output, function control using Atlas and/or Pocket Secure	✓ Low cost hardware solution for NBN or Naked DSL services	✓ PM45-3G communicates on 3G & GPRS networks

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 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 AS/NZ2201.5:2008

Specifications

Housing Material	ABS plastic - white
Dimensions	110mm (h) x 25mm (d) x 80mm (w)
Weight	0.120Kg
Operating Environment	0°- 50°C @15% to 85% humidity (non-condensing)
Antenna	Triple band 3G & Dual band GPRS
Modem	PM45: Cinterion MC-37 or MC-55 PM45-3G: Cinterion PH8-P
Power	8 - 15V DC. Terminal or plug pack socket available. Plug pack must have approval
Power Consumption	PM45: Standby: 0.08A @13.8V DC Transmitting: 0.19A @13.8V DC PM45-3G: Standby: 0.08A @13.8V DC Transmitting: 0.19A @13.8V DC
Communication Protocol	Ethernet (10/100BASE-T)
Network Protocol	DHCP or Static IP
Serial Port	High Speed RS232 interface
Auxiliary Input	1 x 24Hr input - state change detected every second. EOL 3.3K
Auxiliary Output	1 x Open Collector output @ 50mA (max) Function control using Atlas web portal and/or 'Pocket Secure'
Static IP Network Configuration	Ethernet interface using 'IpSetup' program Atlas web portal using GPRS/3G connection
Approvals	EN301489, EN301908, EN62311, EN60950-1