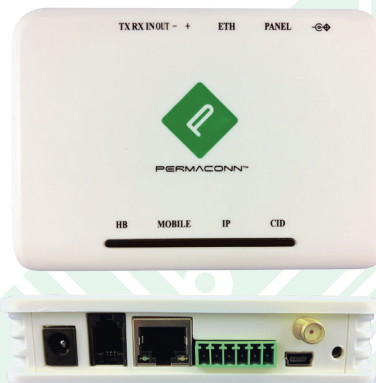


# PM45 (Single SIM GPRS + IP) & PM45-3G (Dual SIM 3G + IP)

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		
✓ PM45-3G 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 Broadband 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 Telecom and Vodafone 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

<b>Housing Material</b>	ABS plastic - white
<b>Dimensions</b>	110mm (h) x 25mm (d) x 80mm (w)
<b>Weight</b>	0.120Kg
<b>Operating Environment</b>	0°- 50°C @15% to 85% humidity (non-condensing)
<b>Antenna</b>	Triple band 3G & Dual band GPRS
<b>Modem</b>	PM45: Cinterion MC-37 or MC-55 PM45-3G: Cinterion PH8-P
<b>Power</b>	8 - 15V DC. Terminal or plug pack socket available. Plug pack must have approval
<b>Power Consumption</b>	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
<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>	1 x 24Hr input - state change detected every second. EOL 3.3K
<b>Auxiliary Output</b>	1 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 GPRS/3G connection
<b>Approvals</b>	EN301489, EN301908, EN62311, EN60950-1