

PM45-3G (Dual SIM 3G + IP)

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

The PM45-3G is a versatile alarm communicator that reports on GPRS, 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 GPRS/3G in the event of a wired Ethernet failure. If no IP connection exists the communicator 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
✓ 3 inputs + 3 outputs, 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 Telecom & Vodafone networks – Dedicated for Permaconn events only
- AES128 encryption for alarm data - Secure transmissions over the public internet
- High speed RS232 Interface – Future development
- PM45-3G 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
- Outputs can be configured to arm/disarm alarm system, control gates and lights. 'Pocket Secure' smartphone app controls these functions.

Specifications

Housing Material	ABS plastic - white
Dimensions	110mm (h) x 25mm (d) x 80mm (w)
Weight	120gm
Operating Environment	0°- 50°C @15% to 85% humidity (non-condensing)
Antenna	Triple band 3G & Dual band GPRS
PM45-3G	Telit HE910
Power	8 - 15V DC Terminal (must be powered from approved supply)
Power Consumption	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	3 x 24Hr input - state change detected every second EOL 3.3K
Auxiliary Output	3 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
Data Security	AES Encryption
Supported Modulation	BELL-103, ITU-V21/V22/V22B
Approvals	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