

PM1048

(Dual SIM 3G + IP)

Optional PSTN

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

The PM1048 is a versatile alarm communicator that reports on 3G, IP and PSTN (optional) to the Central Station.

This unit can interface with a range of alarm panels using RS232 or Contact ID.

Primary alarm path is 3G or IP if Ethernet cable fitted, with PSTN backup when DI400 module installed.



Key Features

✓ Remote 'over-the-air' alarm panel Upload/Download using 3G or IP connection

✓ Serial input for STU interfaces

✓ Dual SIM + IP + PSTN alarm communicator

✓ Plug & Play solution

✓ 3 inputs + 3 outputs, function control using Atlas or Pocket Secure

✓ Interfaces with any Contact ID alarm panel

✓ Supplied in robust metal enclosure

Additional Features

- Secure VPN within Optus & Telstra networks
 - Dedicated for Permaconn events only
- AES128 encryption for alarm data
 - Secure transmissions over the public internet
- Various diagnostic LEDs
 - Easy installation
- Activate, commission and diagnose using Atlas
 - Seamless installation process
- Two dedicated wireless paths of communication as standard
 - Uptime in excess of 99.9%
- Ability to connect phone line if DI400 module installed
 - Four (4) paths of communication
- On board battery charger circuit
 - Backup battery can be fitted for standalone operation
- Internal watchdog reset function
 - No unnecessary service call-outs
- Monitors & reports dialler interface lead status
 - Panel dialler to Permaconn interface secure
- Monitors and reports DC power and battery status
 - Reliable standalone operation
- Compliant to AS/NZ2201.5:2008

Specifications

Housing Material / Dimensions	Metal powder coated - White 170mm (w) x 205mm (h) x 48mm (d)
PCB Dimensions	138mm (w) x 100mm (h)
Weight	1.00 Kg
Operating Environment	0° - 50° @ 15% to 85% humidity (non condensing)
Antenna	Triple band 3G & Dual Band 2G
3G Modem	Telit HE910
Communication Protocol	Ethernet (10/100BASE-T)
Power	14.5V DC Plug pack - Supplied (Plug pack must have approval if using other)
Power Consumption	Standby: 0.05A Transmitting: 0.60A
Power Reporting	Powered from 14.5V plug pack: DC -Fail: <11.8V DC DC - Restore: >12.8V DC Battery Status: Battery Fail: <11.6V DC (Event delayed for 10 mins) Battery Restore: >12.5V DC (Event sent immediately)
Backup Battery	12V/ 1.2AH Sealed lead acid battery
Typical Backup Time	16 hrs
Auxiliary Input	Three (3) 24Hr inputs, state change detected every second. EOL 3.3k
Tamper Input	24Hr input. No EOL
Auxiliary Output	Three (3) Open collector outputs @50mA (max). Function control using Atlas web portal and/or 'Pocket Secure' app.
Static IP Network Configuration	Ethernet interface using 'IpSetup' program Atlas web portal download using cellular 3G connection
Data Security	AES Encryption
Data Modem	14.4K baud rate modem for upload/download
Supported Modulation	Bell-103, ITU-V21/V22/V22B
Serial Interface	Consult PM1048 manual for compatible panels
Communications Class	As per compliance statement
Approvals	EN301489, EN301908, EN62311, EN60950-1, EN55022, EN55024 AS/NZ S60950.1, AS/CA S042.1, AS/CA S042.4