PM54

Install in under 10 minutes

Video IQ comes included, allowing you to generate a recurring revenue

99.99% uptime on Permaconn's ISO 27001 certified network

Give your customers the ultimate all-in-one critical connectivity solution, with the industry-leading PM54 from Permaconn.

It combines security alarm signalling, router capabilities and Wi-Fi hotspot functionality – all simply installed and powered directly from the alarm panel.

When you want to offer the most reliable and resilient connectivity available today, the PM54 will more than exceed you and your customers' needs.

Key Benefits:

- Quick and easy plug and play installation with remote configuration.
- Provides 99.99% uptime on Permaconn's ISO 27001 certified network.
- Switches to dual SIM if primary IP fails, or between SIM networks if IP is not used.
- Connects any internet-ready device to expand customers' networks.
- Streams secure, high-definition video in real time.
- Monitored and managed through Atlas software from Permaconn.
- Can also be mobile managed on the go, through the Pocket Secure app.
- Modernise your service with Video IQ enabling you to offer video verification and virtual patrol.

Critical Connectivity Made Easy

PERMACONN™

Practical Features:

- Compatible with all Contact-ID dialer equipped alarm panels.
- Compact design to easily add to existing systems.
- Remote multi-path alarm panel programming (upload/ download).
- Serial and TCP/IP interface supports multiple panel protocols.
- Router functionality managed through Atlas portal.
- RF signal strength indicator.
- Non-volatile memory stores all setup data in the event of a power failure.

Multi-connection Flexibility:

- Three inputs and three outputs.
- Wi-Fi hotspot (Station mode) for connection to wireless devices.
- Wi-Fi client (AP mode) for connection to existing Wi-Fi networks.
- Two LAN ports to connect to wired devices, alarm panels or network switches.
- One WAN port to connect to existing onsite internet gateways.
- WAN port can also be configured as a third LAN port.

Specifications:

Housing Material:	Green ABS plastic
Dimensions:	110mm (h) x 25mm (d) x 80mm (w)
Weight	180g
Operating Environment:	Operating temperature: 0-50°C Operating humidity: 15% to 85% non-condensing
Antenna:	2 antennas for cellular (MIMO) + 1 for Wi-Fi
Wi-Fi Capabilities:	Supports: IEEE 802.11b/g/n Frequency: 2.4GHz
4G-LTE-FDD:	Frequency: B1(2100) B3(1800) B5(850) B8(900) B28(700) Bandwidth: Max 10Mbps (DL) Max 5Mbps (UL)
Modem:	2400 baud modem for alarm panel remote upload / download
Management:	Remote configuration via Atlas web portal
Routing:	IP pass-through; NAT, NAPT with IP port forwarding; DHCP; DNS client and server
Failover:	Automatic failover/ failback to second cellular SIM, Wi-Fi or Ethernet
Ethernet:	IP pass-through; NAT, NAPT with IP port forwarding; DHCP; DNS client and server
Power:	10 to 15V DC Standby consumption: 0.12A @13.8V DC Transmitting consumption: 0.35A @13.8V DC
Communication Protocol:	GPRS over 4G
Network Protocol:	IP pass-through; NAT, IP port forwarding; DHCP; DNS client and server
Serial Port:	High-speed RS232 interface for serial connection to alarm and access control panels
Auxiliary Input:	3 x 24hr inputs state change detected every second EOL 3.3K
Auxiliary Output:	3 x open-collector outputs @50mA (max). Function control using Atlas web portal and/or Pocket Secure mobile app
LTE Gateway:	Capable of 50Mbps uplink and 100Mbps downlink
Static IP Networking Configuration:	VPN or DDNS
Data Security:	AES encryption
Supported Panels and Protocols:	Serial: STU, Cardax, Arrowhead TCP/IP: Vesta, Ajax Hub, Honeywell, Maxpro, CSVIP

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