

PI-05 pro Datasheet



ETHERNET

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| WAN | 2 X WAN port 10/100/1000 Mbps, compliance with IEEE 802.3, IEEE 802.3u, 802.3az standards,supports auto MDI/MDIX crossover |
| LAN | 3 x LAN ports, 10/100/1000 Mbps, compliance with IEEE 802.3, IEEE 802.3u, 802.3az standards,supports auto MDI/MDIX |

WI-FI

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|----------------|---|
| Wireless mode | 802.11b/g/n/ac with data transmission rates up to 1200 Mbps |
| Wi-Fi band | Dual band 2.4 GHz and 5GHz |
| Wi-Fi security | WPA2-Enterprise-PEAP, WPA2-PSK, WPA-PSK, WEP |
| ESSID | ESSID stealth mode |

NETWORK

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|----------------|---|
| Routing | Static routing, Dynamic routing (BGP, OSPF) |
| DHCP | Static and dynamic IP allocation, DHCP Relay, Relayd |
| QoS | Traffic priority queuing by source/destination, service, protocol or port, WMM, 802.11e |
| Diagnostics | Ping, Trace, NSLookup |
| Load balancing | Balance Internet traffic over multiple WAN connections whether wired or cellular |

SECURITY

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|----------------|--|
| Authentication | Pre-shared key, digital certificates |
| Firewall | Zone Based, Stateful, NAT, PAT, custom rules |

WiFi security WPA2-Enterprise-PEAP, WPA2-PSK, WPA-PSK, WEP

Attack prevention DDOS prevention (SYN flood protection, SSH attack prevention, HTTP/HTTPS attack prevention), port scan prevention (SYN-FIN, SYN-RST, X-mas, NULL flags, FIN scan attacks)

VLAN Port based and tag based VLAN separation

Access control Flexible access control of TCP, UDP, ICMP packets, MAC address filter

VPN

IPsec IKEv1, IKEv2, with 5 encryption methods for IPsec (DES, 3DES, AES-128, AES-192, AES-256, AES-256-GCM)

PPTP, L2TP Client/Server instances can run simultaneously

OpenVPN Multiple clients and a server can run simultaneously. Encryptions supported are DES-CBC, AES-128-CBC, AES-192-CBC, AES-256-CBC

MONITORING AND MANAGEMENT

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|---------------------------|--|
| WEB UI | HTTP/HTTPS, status, configuration, FW update, CLI, troubleshoot, event log, system log, kernel log |
| SSH | SSH (v1, v2) |
| SMS | SMS status |
| PI-Controller™ Compatible | Yes |

PHYSICAL INTERFACES

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|-------------|---|
| Ethernet | 5 x RJ45 ports, 10/100/1000 Mbps |
| Status LEDs | Power, WAN, LAN1, LAN2, LAN3, LAN4, WiFi(2.4G and 5G) |

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| Antennas | 4 X WiFi |
| USB | USB 2.0 |
| Micro SD | 1 X Micro SD card slot |
| Reset | Reboot/User default reset/Factory reset button |

POWER

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|-----------------------|--------|
| Input | 12V 2A |
| Max Power Consumption | < 12W |

PHYSICAL SPECIFICATIONS

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|------------------------|--------------------------|
| Casing material | Full Metal Rugged Casing |
| Dimensions (L x W x H) | 164 X 137 X 35 mm |

Mounting options Industrial screw mounting

OPERATING ENVIRONMENT

Operating temperature 0°C to 40°C

Operating humidity 10 % to 90 % non-condensing

COMPLIANCES

Wireless WPC

Safety CE

EMC FCC

Environmental RoHS
