

PI-05 Pro

Datasheet



ETHERNET

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
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LAN	3 x LAN ports, 10/100/1000 Mbps, compliance with IEEE 802.3, IEEE 802.3u, 802.3az standards,supports auto MDI/MDIX
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WI-FI:

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

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

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

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

PHYSICAL INTERFACES

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

Input	12V 2A
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Max Power Consumption	< 12W
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PHYSICAL SPECIFICATIONS

Casing material	Full Metal Rugged Casing
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Dimensions (L x W x H)	164 X 137 X 35 mm
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Mounting options	Industrial screw mounting
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OPERATING ENVIRONMENT

Operating temperature	0°C to 40°C
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Operating humidity	10 % to 90 % non-condensing
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COMPLIANCES

Wireless	WPC
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Safety	CE
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EMC	FCC
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Environmental	RoHS
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