

PI-05

Datasheet



ETHERNET

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

WI-FI:

Wireless mode	802.11b/g/n/ac with data transmission rates up to 300 Mbps
Wi-Fi band	Single band 2.4 GHz
Wi-Fi security	WPA2-Enterprise-PEAP, WPA2-PSK, WPA-PSK, WEP
ESSID	ESSID stealth mode

NETWORK

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

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 AES-256)	IKEv1, IKEv2, with 5 encryption methods for IPsec (DES, 3DES, AES-128, AES-192, AES-256)
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 Mbps
Status LEDs	Power, WAN, LAN1, LAN2, LAN3, LAN4, WiFi(2.4G)
Antennas	2 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 1A
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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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