

# PI-15 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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### CELLULAR

SIM Module	1 x 4G (LTE) – Cat 4 up to 150 Mbps, 3G – up to 42 Mbps
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SIM Slots	1 slot
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Status	Signal strength, SINR, RSRP, RSRQ, Bytes sent/received, Mobile module in use, PCI, EARFCN, Band, Roaming, Provider, PLMN, IMEI, IMSI
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SMS	SMS status, SMS reboot
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Band management	Band lock, Used band status display
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APN	Auto APN
Band Support	LTE FDD: B1/B3/B8 LTE TDD: B38/B39/B40/B41 TD SCDMA: B34/B39 WCDMA: B1 CDMA 1x/EVDO: BC0 GSM: 900/1800MHz

## 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	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)
SIM	1 x SIM slot micro size
Antennas	2 X LTE, 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
Max Power Consumption	< 12W

## PHYSICAL SPECIFICATIONS

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



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