PI-25 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
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

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

CELLULAR

SIM Module	2 x 4G (LTE) – Cat 4 up to 150 Mbps, 3G – up to 42 Mbps
SIM Slots	2 slots one for each sim in Active-Active manner
Status	Signal strength, SINR, RSRP, RSRQ, Bytes sent/received, Mobile module in use, PCI, EARFCN,Band, Roaming, Provider, PLMN, IMEI, IMSI
SMS	SMS status, SMS reboot
Band management	Band lock, Used band status display
APN	Auto APN
Band Support	LTE FDD: B1/B3/B8 LTE TDD:B38/B39/B40/B41 TDS CDMA: B34/B39 WCDMA: B1 CDMA 1x/EVDO: BC0 GSM: 900/1800MHz

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

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

Ethernet	5 x RJ45 ports, 10/100/1000 Mbps
Status LEDs	Power, WAN, LAN1, LAN2, LAN3, LAN4, WiFi, SIM1, SIM2, SIM1 signal, SIM2 signal
SIM	2 x SIM slots Nano Size (4FF)
Antennas	4 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 2.5A
Max Power Consumption	< 20W

PHYSICAL SPECIFICATIONS

Casing material	Full Metal Rugged Casing
Dimensions (L x W x H)	235 X 165 X 23 mm
Mounting options	Industrial screw mounting

OPERATING ENVIRONMENT

Operating temperature	0°C to 75°C
Operating humidity	10 % to 90 % non-condensing

COMPLIANCES

Wireless	WPC
Safety	CE
EMC	FCC
Environmental	RoHS