

InRouter 6X5 Series

Smart 4 Ethernet LAN/Wi-Fi/ Serial to Ethernet WAN/HSPA+/UMTS



Compact Design: 4 Ethernet LAN switch ports, RS232/485 DB9), Wi-Fi (2.4GHz 802.11b/g/n), 3G/UMTS or Ethernet WAN connection

Power supply: 9-26V DC Power Terminal

High security: Advanced VPN (IPSec/SSL/GRE/L2TP/PPTP)

Centralized management platform: InHand Device Manager
Cloud

Reliable for almost all industrial conditions



Overview

InRouter6X5 series are compact designed industrial cellular routers which can help users to quickly access to high-speed Internet and support secure and reliable data transmission. The products combine together with the functions of unmanaged switch, serial server, 3G Router, IP modem, Advanced VPN client and even WIFI and provide with high cost-effective solution for applications in industrial automation and control, fleet monitoring, video surveillance, advertising media, and outlets networking. You can even configure it easily through the browser on your IOS or Android terminals without connection to the router by cable.

Besides flexibility, InRouter6X5 series can provide reliable data link. For example, the multi-level linkage detection ensures linkage stability especially for applications in unattended areas. The outstanding performance under wide temperature and harsh electromagnetic field enables the capability to work under harsh conditions.

The most amazing thing is InRouter6x5 support almost the VPN security protocols which only exist in advanced VPN Routers. It is compatible with the major VPN routers including the brands of Cisco, HuaWei, Juniper etc.

Specification

Interfaces

WAN Interfaces

Ethernet WAN: Static IP/PPPoE/DHCP Client
Cellular WAN: HSPA+: 21Mbps (DL)/5.76Mbps (UL)
GSM/GPRS/EDGE: 850/900/1800/1900 MHz
UMTS /HSPA/HSPA+: 850/900/1900/2100 MHz
Authentication: CHAP/PAP/MS-CHAP/MS-CHAPV2

LAN Interfaces

Auto Adaption: 4 10M/100M Ethernet ports, auto-adaptive MDI/MDI-X auto crossover
Isolation Protection: 1.5KV isolation protection

Power supply

9-26V DC 5.08mm 2pin Terminal power supply

Serial ports

Number: 1 RS232/RS485 DB9
Protocol: Modbus RTU, Transparent TCP, Virtual COM

Wi-Fi (Optional)

Environmental

Operating temperature: -20°C~70°C

Storage temperature: -40°C ~85°C

Humidity: 5%~95%, no-condensing

Protection grade: IP40

EMC

ESD: EN61000-4-2 Surge: EN61000-4-5
EFT: EN61000-4-4 RF: EN61000-4-3
RC: EN61000-4-6 Oscillatory Wave Immunity: EN61000-4-12
Variation Magnetic Field Immunity: EN61000-4-8

Safety

Anti-shock: IEC60068-2-27
Anti-drop: IEC60068-2-32
Anti-vibration: IEC60068-2-6

Wireless: 150Mbps 802.11b/g/n Work mode: AP/Client
 Authentication: open, WEP, WPA/WPA-2(Personal), PA/WPA2(Enterprise)

Firewall security service

State Packet Inspection, anti-DoS attacks, Filter multicast
 Filter ping, Access control list

Configuration

DB9 Console port, Telnet, and Web configuration

Upgrade

Remote upgrade and web upgrade, utilizing redundant backup mechanism for worry-free upgrade

Network Function

Network Address Translation (NAT) and Port Address Translation (PAT)
 Deny illegitimate host access

Reliable Network Link

Built-in hardware watchdog, self-recovery
 PPP link detection disaster self-recovery
 Professional upgrades mechanism, assure upgrade safety

TCP/IP Protocols

ICMP, IP, TCP, UDP, DHCP, PPP, ARP, Telnet, DNS, VRRP, HTTP, HTTPS, VPN
 (IPSec/SSL/PPTP/L2TP/GRE)

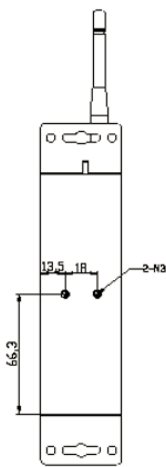
Installation

Optional Wall mounting kits or DIN mounting Kits

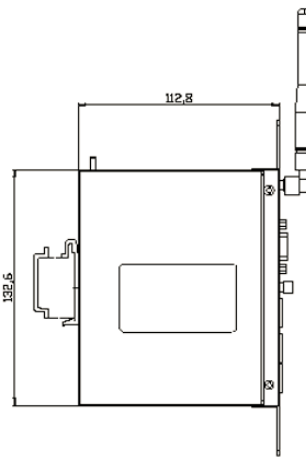
Warranty

Warranty Period: 1 year, for more period please contact InHand sales

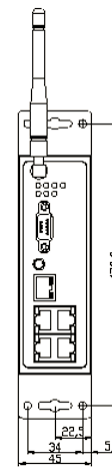
Dimensions (Unit: mm)



Back View

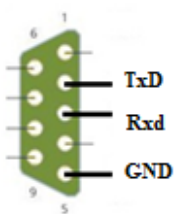


Side View

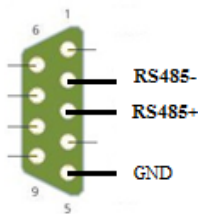


Front View

DB9 RS232 /RS485 Port



RS232



RS485

Device Manager Cloud



Order Information

Model	IR6x5
Part Number	IR6<X>5-<N>-<P>-<S>
X (Option VPN)	0: no VPN; 1: standard VPN (IPSec/PPTP/L2TP/GRE); 9: advanced VPN(IPSec/PPTP/L2TP/GRE/OpenVPN) + X.509 CA support
N (Network)	UE00: No wireless module WH01: UMTS/HSDPA (850/900/1900/2100 MHz) VZ16: CDMA2000 EVDO\1X(800MHz/1900MHz/2100MHz) VZ01: EVDO(800MHz/1900MHz. for China/India only) PH01: HSPA+ (850/900/1900/2100 MHz)
S (Serial port)	<NA> : RS232 485 : RS485
Example	IR6 1 5 WH01-AP: Standard VPN (IPSec/PPTP/L2TP/GRE) WH01: UMTS/HSDPA (850/900/1900/2100 MHz) Wi-Fi : AP mode RS232 serial port

FCC Warning Statement

FCC STATEMENT

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one

or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body



Connecting Devices, Enabling Services

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