

InRouter 6x1 Series

Smart DB9/Eth. to HSPA+/HSUPA/UMTS VPN Gateway



- **Compact Design, Easy to Install**
 - Metal housing
 - Dimensions (L×W×H):100mm×100mm×23mm
- **Low Power Consumption:** Below 3 W
- **High Reliability:** hardware/link self-recovery
- **High security:** Advanced VPN (IPSec/SSL/GRE/L2TP/PPTP)
- **Centralized management platform:** InHand Device Manager Cloud
- **Reliable for almost industrial conditions**

Overview

InRouter6x1 series are compact designed high-speed cellular gateways which are used to transmit serial/Ethernet data to customers' center server through HSPA+/UMTS/GSM mobile networks. With hardware/software detect and self-recovery design, InRouter6x1 series can perfectly ensure reliability of customers' data transmission.

InRouter6x1 series also support multiple VPN technologies to ensure security, including standard IPSec/SSL/PPTP/L2TP/GRE. Besides, the gateways provide convenient remote management via CLI and webpage, which significantly reduce maintenance cost. Moreover, with customization services, InRouter6x1 series can benefit customers by high scalability, on demand service and efficient networking solutions for unattended field applications.

Specification

Interfaces

Eth. LAN Port:

Number of Ports: 1 RJ-45, 10/100Mbps, auto-sensing

Magnetic Isolation Protection: 1.5KV built-in

Cellular WAN Port:

Universal HSPA+: 21Mbps(DL)/5.76Mbps(UL)

GSM/GPRS/EDGE: 850/900/1800/1900 MHz

UMTS /HSPA/HSPA+: 850/900/1900/2100 MHz

Serial Port:

Number of Ports: 1 RS-232/RS-485 (DB9)

Isolation Protection: 1.5KV ESD protection

Serial BUS Protocols:

Modbus TCP, Transparent TCP, Virtual COM

Power Requirements

Power Input: 9 ~26V DC with Industrial Terminal

Power Consumption:

- Max:240mA@12V DC (2.88W); Idle:150mA@12V DC (1.8W)

Environmental

Housing: Metal, IP30 Protection

Temperature: Operating: -20~70°C (14~158°F)

Storage: -40~85°C (-40~185°F)

Humidity: 5% ~ 95%, non-condensing

Safety Certificate

Anti-shock: IEC60068-2-27

Anti-drop: IEC60068-2-23

Anti-vibration: IEC60068-2-6

Configuration Method: Web/Telnet

Network Reliability Assurance

Built-in hardware watchdog, self-recovery

PPP link detection disaster self-recovery

Professional upgrades mechanism, assure upgrade safety

VPN: IPSec/SSL/PPTP/L2TP/GRE, support CA certificate

Firewall

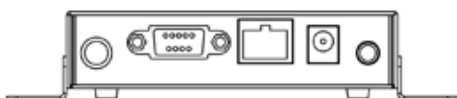
State Packet Inspection (SPI), multicast filtering, PING packet filtering, DoS attack preventing

Warranty

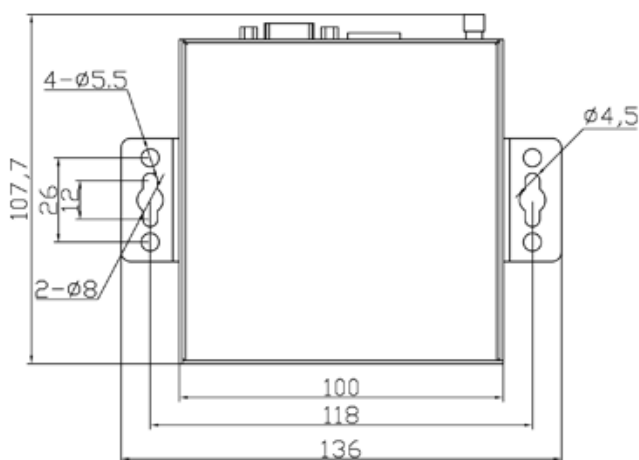
Warranty Period: 1 year

Dimensions (Unit: mm)

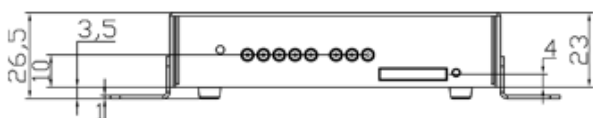
Standard Model (L×W×H=100×100×23)



Back View

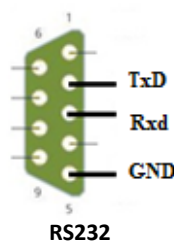


Top View

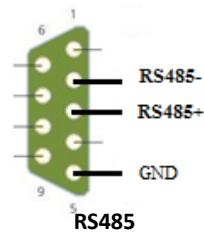


Front View

DB9 RS232 /RS485

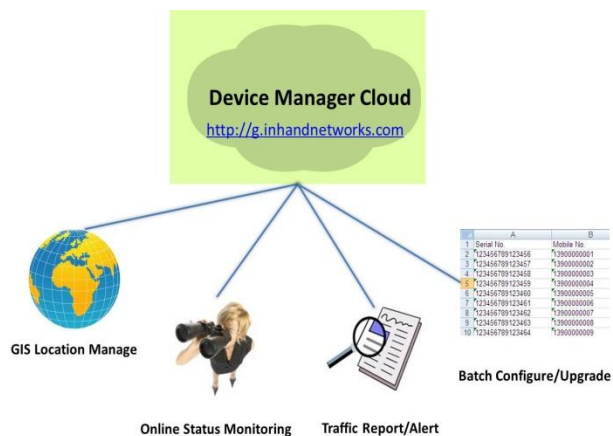


RS232



RS485

Device Manager Cloud



GIS Location Manage – Easy access to devices
 Online Status Monitoring – Remote diagnose
 Traffic Report/Alert – Save traffic cost
 Batch Configure/Upgrade – Efficient manage

Order Information

Model	IR6x1
Part Number	IR6<X>1<N>-<W>-<S>
X	0: ordinary router
(Option VPN)	9: VPN, support IPSec/SSL/PPTP/L2TP
N	PH01: HSPA+
(Network)	WH01: UTMS\EDGE\GPRS
	VZ16:CDMA2000 EVDO\1X
	TZ05:TD-SCDMA\EDGE\GPRS
S	<NA>: RS232
(Serial Port)	485 : RS485
Example	IR601WH01: one-port wireless route, support UTMS \EDGE\GPRS, RS232 serial port