

InRouter 6x1 Series

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



- **Compact Design:** HSPA+/UMTS (3G) cellular interface, RS232/485 (DB9), Wi-Fi (2.4GHz 802.11b/g/n)
- **Low Power Consumption:** Below 3 W
- **High Reliability:** Link self-recovery
- **High security:** Advanced VPN (IPSec/SSL/GRE/L2TP/PPTP)
- **Centralized management platform:** InHand Device Manager Cloud
- **Reliable for almost all 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 (3G) mobile networks. It provide optional WIFI interface. 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

Ethernet Port: 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

Wi-Fi (Optional)

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

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

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

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

Power Requirements

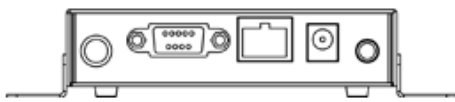
Power Input: 9 ~26V DC with Industrial Terminal
Power Consumption:
Max:240mA@12V DC (2.88W); Idle:150mA@12V DC (1.8W)
Operating: 170mA~220mA@ 12V DC (2.04W~2.64W)

Warranty

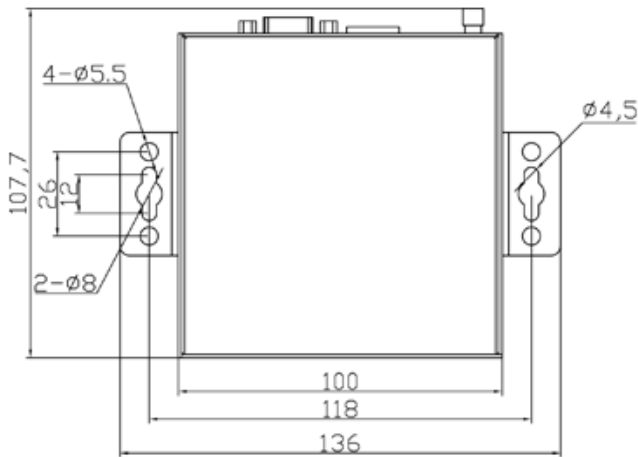
Warranty Period: 1 year

Dimensions (Unit: mm)

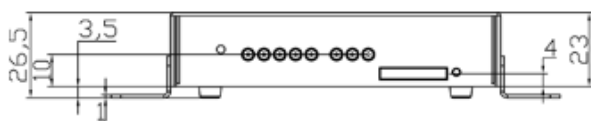
Standard Model (L×W×H=100×100×23)



Back View

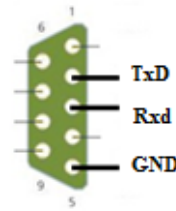


Top View

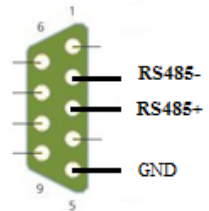


Front View

DB9 RS232 /RS485

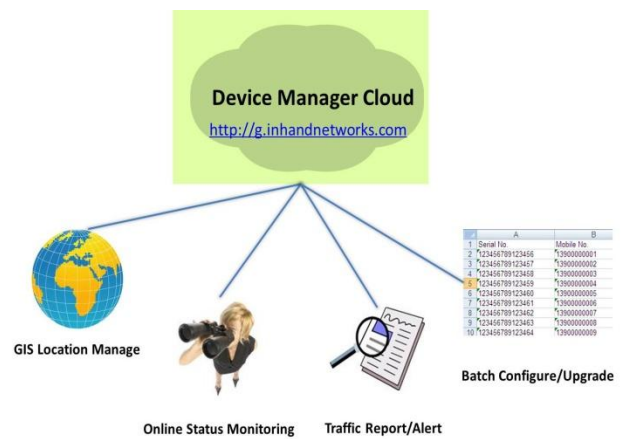


RS232



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 (Option VPN)	0: standard router 9: VPN, support IPSec/OpenVPN/PPTP/L2TP/GRE
N (Network)	PH01: HSPA+ WH01: UTMS\EDGE\GPRS VZ16:CDMA2000 EVDO\1X TZ05:TD-SCDMA\EDGE\GPRS
W (WIFI)	<NA>: No Wi-Fi function AP: Wi-Fi AP model STA: Wi-Fi client model
S (Serial Port)	<NA>: RS232 485 : RS485
Example	IR691WH01-AP: UMTS, Support VPN(IPSec/PPTP/L2TP/GRE) ,Wi-Fi AP, RS232 serial port

Notice: R691WH01-AP/STA does not support OpenVPN.