

H8921

4G Dual Module VPN Router



Overview

H8921 4G Dual SIM VPN Router is designed for critical IoT applications which require advanced connection robustness and data security, especially suitable for smart retails, smart cabinet, point-of-sale, ATM machines, Ring Main Unit, etc. It provides excellent wireless communication experience to customer by connecting their end devices towards their business success. With its seamless internet failover, data encryption feature and multi-VPN tunnel backup mechanism, it will always keep your business safe and transmitting data flow without any interruption.

Highlights



Seamless Cellular Auto-failover

Senseless WAN switching experience by mutual backup of two LTE modems for advanced critical networking mission



Enhancing Data Security

Multiple VPN tunnels can be configured as auto link switching mode for software layer failover to ensure data always being protected



Various Connection Type

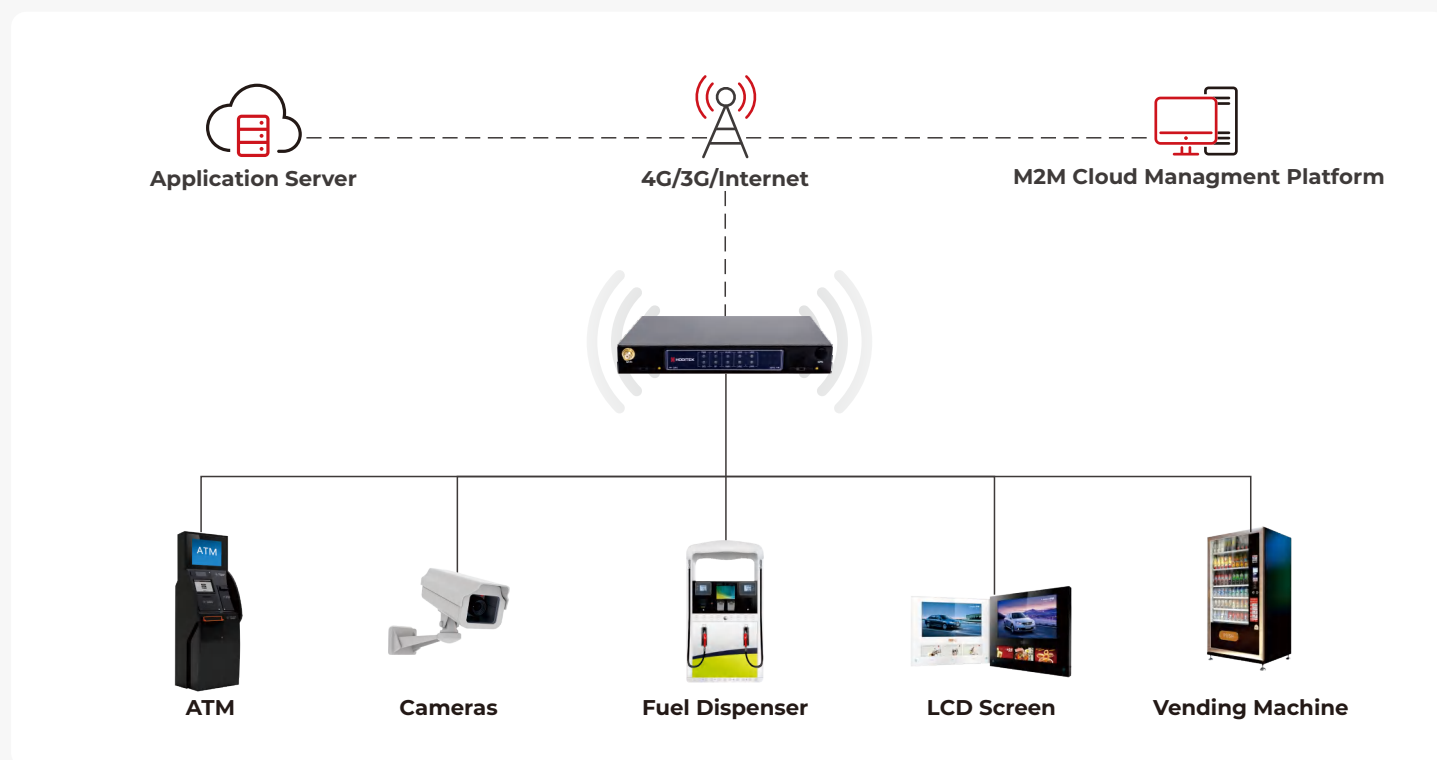
Ethernet ports, Wi-Fi and serial ports provide a gateway for various of data type



Customer Trusted Quality

Widely approved by global customer from FBSI and retail industries

Topology diagram



ATM Machines



Gas Stations



Point of Sale



Smart Retail

Features



Support LTE Cat4



Dual 4G link backup, Cellular/VPN Auto-failover



Rich interfaces for connectivity



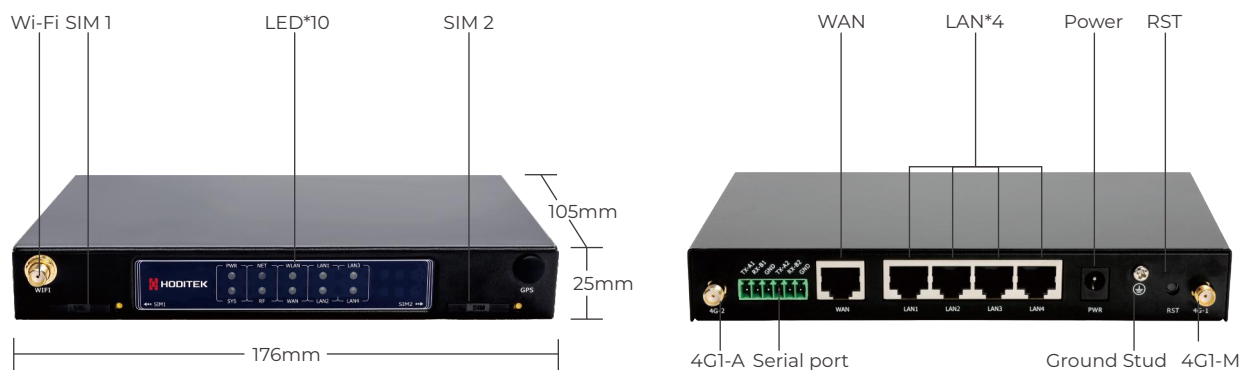
Support Hoditek Sandora RMS for cloud based management

Specification

Hardware			
CPU	MIPS 24Kc 580 MHZ		
RAM	128MB	FLASH	16MB
Cellular Interface			
Modem	1 or 2 LTE Cat4	SIM	2 × Mini SIM (2FF)
Number of Antennas	2	Connector	SMA-K
Ethernet Interface			
Number of Ports	5 × 10/100 Mbps, Ethernet	Configuration	5 × LAN or 4 × LAN + 1 × WAN
Wireless Interface			
Standards	802.11b/g/n, AP or station mode	Frequency Bands	2.4 GHz
Speed	150Mbps	Security	WEP, WPA, WPA2
Encryption	64/128 AES, TKIP	Antennas	1
Connector	RP SMA-K		
GNSS Interface			
Number of Antennas	1 (only for GPS version)	Connector	SMA-K with 50 ohms impedance
GNSS Support	GPS, GLONASS, BeiDou, Galileo(optional)		
Protocol	NMEA 0183	Cordinate	WEB UI, RMS
Seiral Interface			
Type	1 × RS-232 + 1 × RS-485 serial port	Socket Form	1 × 6-pin 3.5 mm female socket
Signal Definition	RX, TX, GND (RS-232) , A+, B-, GND (RS-485)	Baudrate	RS-232 (300-115200bps), RS-485 (300-115200bps)
Software			
Auto Fail-over	Between: 2 Cellualars, Cellular and WAN, Cellular and Wi-Fi (station mode), WAN and Wi-Fi (station mode)		
Network Protocols	PPP, PPPoE, TCP, UDP, DHCP, ICMP, NAT, HTTP, HTTPs, DNS, ARP, NTP, SMTP, Telnet, SSH, DDNS, etc.		
Network	APN, VPDN, VLAN, QoS		
Routing	Static Routing, Policy routing, RIP, OSPF and BGP, etc		
Firewall	NAT, PAT, DMZ, Port Forward, IP/Domain/MAC Filter, Access Control List		
Attack Prevention	DDOS prevention, Anti port scanning		
VPN	PPTP/L2TP/GRE/IPSec/OpenVPN/DMVPN/WireGuard		
Ipssec Encryption	DES, 3DES, AES128, AES192, AES256		
OpenVPN Encryption	BF-CBC, DES-CBC, RC2-CBC, DES-EDE-CBC, DES-EDE3-CBC, DESX-CBC, RC2-40-CBC, CAST5-CBC, RC2-64-CBC, AES-128-CBC, AES-192-CBC, AES-256-CBC, SEED-CBC		
Remote Management	HTTP, Telnet, SSH, SMS, SNMP V1/V2/V3, SNMP TRAP, Hoditek Sandora Cloud Platform		
Serial Ports Function	Transparent, Modbus RTU, etc		
Power Supply and Consumption			
Connector	DC socket	Voltage Input	+5V~+36V DC
Power Consumption	Idle: 200mA@12V DC, Data transceiving: 550mA@12V DC		
Others			
Reset Button	Yes	Hardware Watchdog	Yes
LED Indicators	10 indicators for PWR, SYS, WAN, LAN1~LAN4, RF, NET, WLAN		
Physical Characteristics			
Ingress Protection	IP30	Housing & Weight	Metal, 540g
Dimension	176×105×25(mm)	Installations	Desktop, wall mounting

Operating Temperature	-30 ~ +70 °C	Storage Temperature	-40 ~ +85 °C
Relative Humidity	≤ 95%(no condensing)		

Appearance



Ordering info

Part No.	Modem	Band	Region*	RS-232	RS-232	Wi-Fi	GNSS	Ethernet
H8921-L4EU-CS-rW	Single LTE Cat 4	LTE FDD: B1/3/5/7/8/20/28 LTE TDD: B38/40/41 WCDMA: B1/5/8 GPRS/EDGE: B3/8	EU	1	1	PR-SMA, 1×1 SISO	-	5
H8921-L4EU-CS-rWG	Single LTE Cat 4	LTE FDD: B1/3/5/7/8/20/28 LTE TDD: B38/40/41 WCDMA: B1/5/8 GPRS/EDGE: B3/8	EU	1	1	PR-SMA, 1×1 SISO	•	5
H8921-L4EA-CS-rW	Single LTE Cat 4	LTE FDD: B1/3/5/7/8/20 LTE TDD: B38/40/41 WCDMA: B1/5/8 GPRS/EDGE: B3/8	EA	1	1	PR-SMA, 1×1 SISO	-	5
H8921-L4EA-CS-rWG	Single LTE Cat 4	LTE FDD: B1/3/5/7/8/20 LTE TDD: B38/40/41 WCDMA: B1/5/8 GPRS/EDGE: B3/8	EA	1	1	PR-SMA, 1×1 SISO	•	5
H8921-L4NA-CS-rW	Single LTE Cat 4	LTE FDD: B2/4/5/12/13/14/66/71 WCDMA: B2/4/5	NA	1	1	PR-SMA, 1×1 SISO	-	5
H8921-L4NA-CS-rWG	Single LTE Cat 4	LTE FDD: B2/4/5/12/13/14/66/71 WCDMA: B2/4/5	NA	1	1	PR-SMA, 1×1 SISO	•	5
H8921-L4LN-CS-rWG	Single LTE Cat 4	LTE-FDD: B1/2/3/4/5/7/8/28 LTE-TDD: B40 WCDMA: B1/5/8 GSM/EDGE: B3/8	LN	1	1	PR-SMA, 1×1 SISO	•	5
H8921-L4GL-CS-rW	Single LTE Cat 4	LTE FDD: B1/2/3/4/5/7/8/12/13/18/19/ 20/25/26/28 LTE-TDD: B38/39/40/41 UMTS: B1/2/4/5/6/8/19 GSM: B2/3/5/8	GL	1	1	PR-SMA, 1×1 SISO	-	5
H8921-2L4EU-CS-rW	Dual LTE Cat 4	LTE FDD: B1/3/5/7/8/20/28 LTE TDD: B38/40/41 WCDMA: B1/5/8 GPRS/EDGE: B3/8	EU	1	1	PR-SMA, 1×1 SISO	-	5
H8921-2L4EA-CS-rW	Dual LTE Cat 4	LTE-FDD: B1/3/5/7/8/20 LTE-TDD: B38/40/41 WCDMA: B1/5/8 GSM/EDGE: B3/8	EA	1	1	PR-SMA, 1×1 SISO	-	5
H8921-2L4EA-CS-WG	Dual LTE Cat 4	LTE FDD: B1/3/5/7/8/20 LTE-TDD: B38/40/41 WCDMA: B1/5/8 GSM/EDGE: B3/8	EA	1	1	SMA, 1×1 SISO	•	5

* GL-Global, EU-EMEA(Europe, the Middle East, Africa)/APAC(Non-CN/JP)/Brazil, EA-EMEA(Europe, the Middle East, Africa)/APAC, NA-North America, LN-Latin America / Australia and New Zealand

Packing list



Packing Box



H8921 4G Dual Module VPN Router



2* 4G Antenna



Wi-Fi Antenna



GPS Antenna
• Only GPS Version



Power Adaptor (EU Type)



RJ45 Cable



Installation Kit