

H8922S

4G Dual SIM Router



Overview

H8922S is designed for critical IoT applications which require advanced connection robustness and data security, especially suitable for smart retails, point-of-sale, ATM machines, etc. Hongdian router series 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, H8922S 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

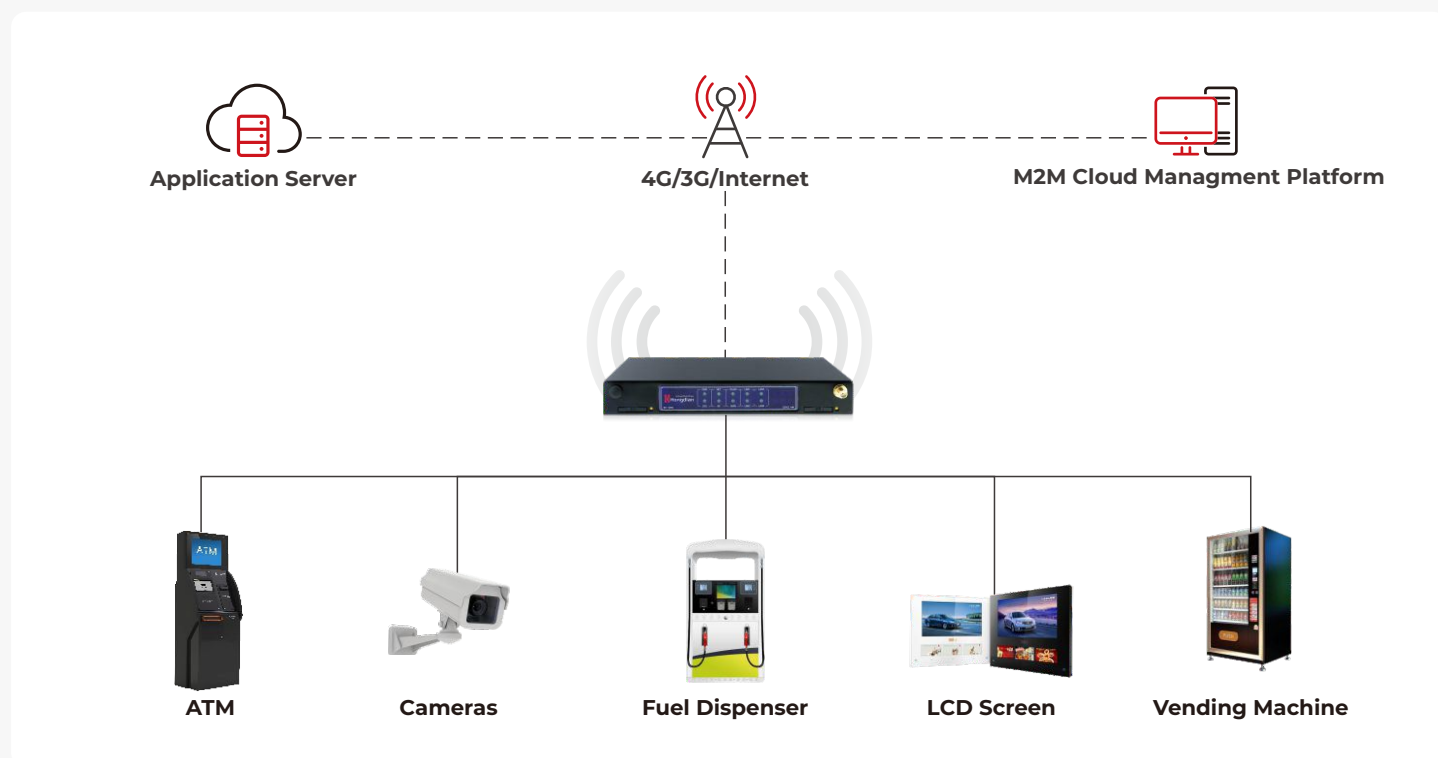
Ethernet ports, Wi-Fi and serial ports provide a gateway for various of data type



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



Dual SIM backup



Multiple VPN tunnels auto-failover



5 Ethernet, RS232/RS485 and Wi-Fi 4

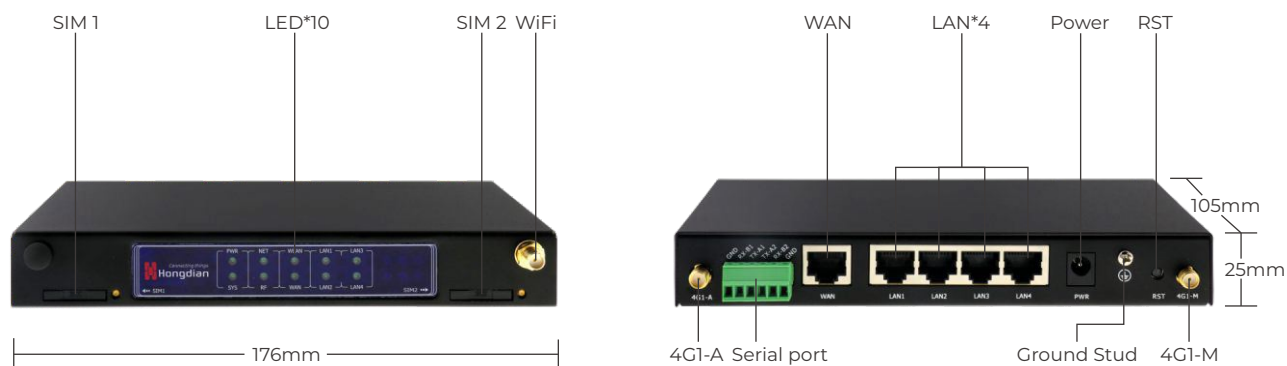


Wide temperature and input voltage range

Specification

Hardware			
CPU	Mediatek MIPS 24Kc 580 MHZ		
RAM	128MB	FLASH	16MB
Cellular Interface			
Modem	1 × LTE Cat4 (2 × LTE Cat4 optional)	SIM	2 × Mini SIM (2FF)
Number of Antennas	2 (MAIN + AUX)	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	WPA, WPA2
Encryption	64/128 AES, TKIP	Antennas	1
Connector	SMA-K		
GNSS Interface			
Number of Antennas	1 (only for GPS version)	Connector	SMA-K with 50 ohms impedance
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)	ESD	15KV
Baudrate	RS-232 (300-115200bps), RS-485 (300-115200bps)		
Software			
Auto Fail-over	Between: 2 Cellulares, 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.		
Routing	Static Routing, Policy routing, RIP, OSPF and BGP, etc		
Firewall	NAT, PAT, DMZ, Port Forward, IP/Domain/MAC Filter, Access Control List		
VPN	PPTP/L2TP/GRE/IPSec/OpenVPN/DMVPN		
Remote Management	HTTP, Telnet, SSH, SMS, SNMP V1/V2/V3, SNMP TRAP, Hongdian Wedora 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 transeiving: 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.	Network	Frequencies	Interface						Certifications (*In progress)	Regions
H8922S-L4- ENEA-CS	LTE Cat 4	4G(LTE-FDD): B1/B3/B5/B7/B8/B20 4G (LTE-TDD): B38/B40/B41 3G: B1/B5/B8 2G: B3/B8	SIM	Ethernet	WLAN	GNSS	RS232	RS485	CE, RoHS	Europe, the Middle East, Africa, Korea, Thailand, India, Malaysia
H8922S-2L4- ENEA-CS	2 modules LTE Cat 4		2	5	Wi-Fi 4	N*	1	1		
H8922S-L4- ENNA-CS	LTE Cat 4	4G(LTE-FDD): B2/B4/B5/B12/B13/B14/ B66/B71 3G WCDMA: B2/B4/B5								
H8922S-2L4- ENNA-CS	2 modules LTE Cat 4									
H8922S-L4- ENSA-CS	LTE Cat 4	4G (FDD-LTE): B1/B2/B3/B4/B5/B7/B8/ B28 4G (LTE-TDD): B40 3G: B2/B3/B5/B8							RCM*, Anatel*	Oceania, South America
H8922S-2L4- ENSA-CS	2 modules LTE Cat 4									

* For more detailed information about the frequency or any specific requirement, please contact your sales representative.

Packing list

 <p>Packing Box</p>	 <p>H8922S 4G Dual SIM Router</p>	 <p>2* 4G Antenna</p>
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Wi-Fi Antenna



GPS Antenna
* Only GPS Version



Power Adaptor (EU Type)



RJ45 Cable



Installation Kit