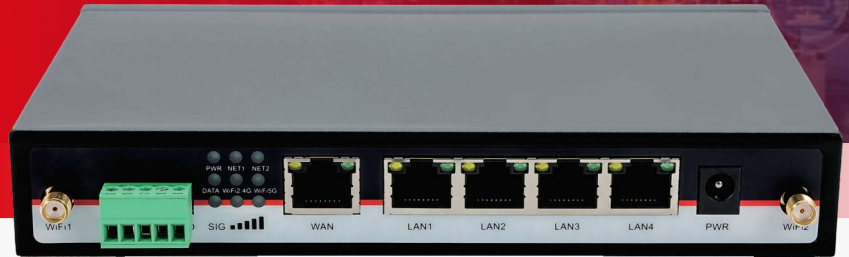


H8923

5G Wi-Fi Router



Overview

H8923 5G Wi-Fi Router provides global 5G Sub-6GHz SA/NSA network access for mission-critical industrial IoT applications, which often require a mass data throughput and lower network latency. It is dedicated for mass data such as high-definition video stream backhaul and remote equipment maintenance and it is suitable for smart factories, medical equipment, robot vision, video surveillance, smart energy and other industrial fields.

Highlights



Mass Data Transmission

10 times faster download speed than LTE Cat 4



WLAN Network

Enhanced Wi-Fi capacity and throughput by Wi-Fi 5 and MIMO



Enhancing Data Security

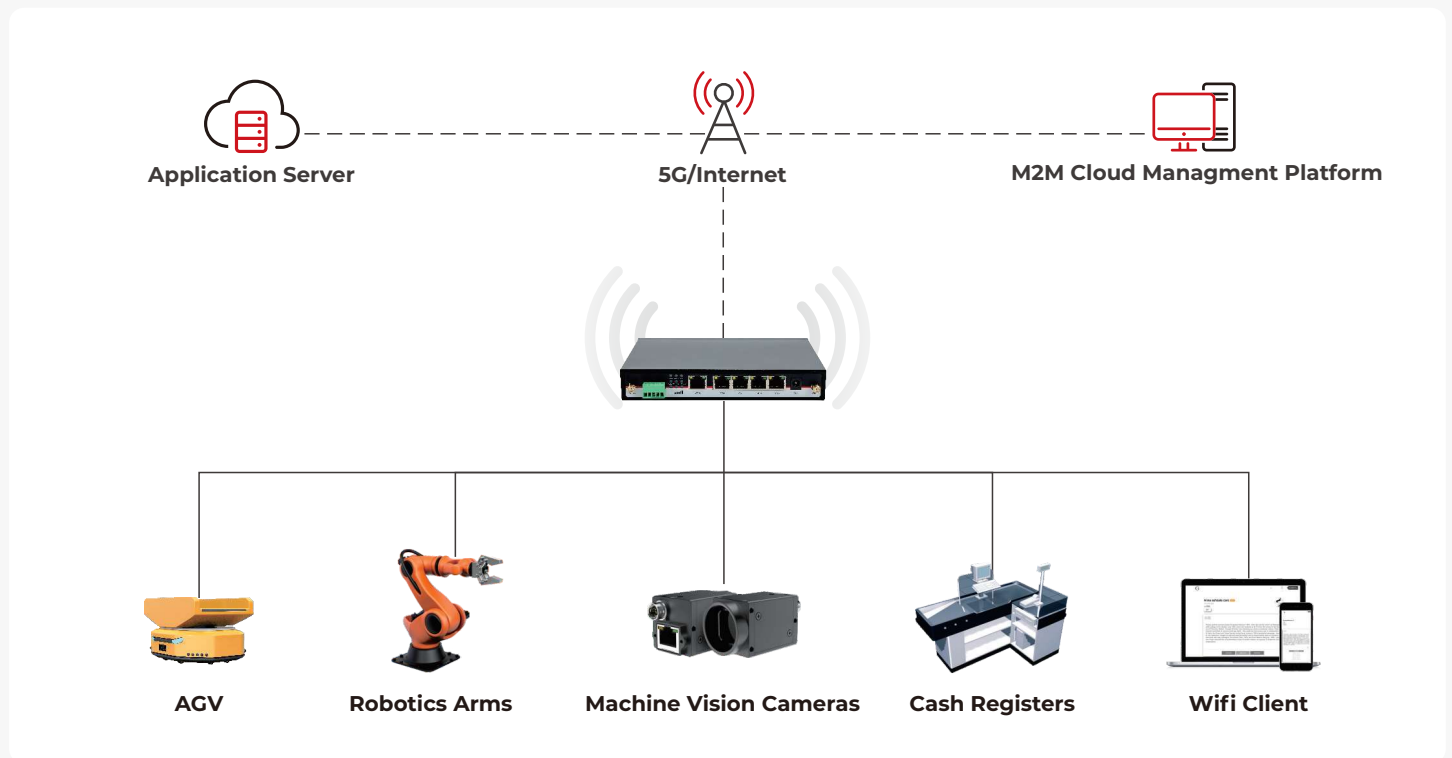
Multiple VPN protocols to ensure data always being protected



Industrial Grade Quality

Wide temperature range and input voltage range

Topology diagram



Smart Factory



Video Surveillance



Machine Vision



Retail Stores

Features



Support LTE Cat6/Cat12 or 5G NR



Wi-Fi 5, 2x2 MIMO



Gigabit Ethernet ports



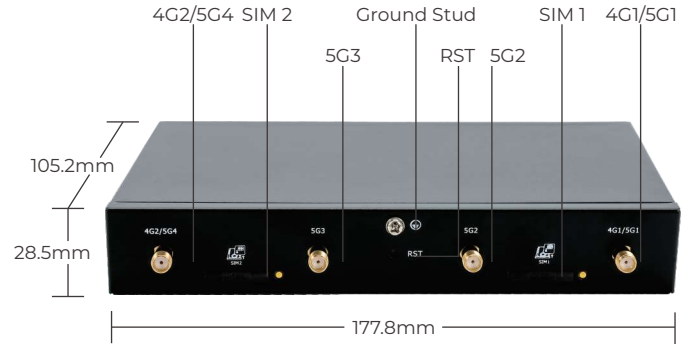
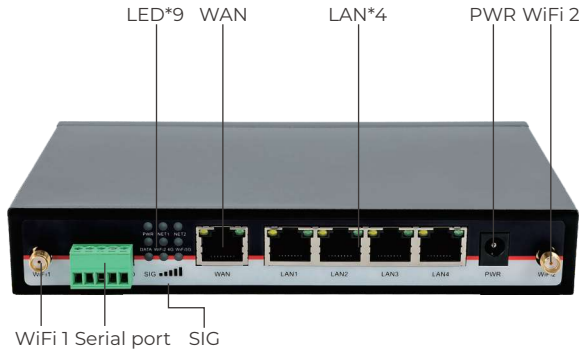
Support Hongdian Wedora RMS for cloud based management

Specification

Hardware			
CPU	MIPS1004Kc 880 MHz		
RAM	256MB	FLASH	32MB
Cellular Interface			
Modem	1 × 5G NR SA/NSA or 2 LTE-A or 1 LTE-A & 1 5G NR SA/NSA		
SIM	2 × Mini SIM (2FF)	Connector	SMA-K
Number of Antennas	4		
Ethernet Interface			
Number of Ports	5 × 10/100/1000 Mbps, Gigabit Ethernet	Configuration	4 × LAN + 1 × WAN
Wireless Interface			
Standards	802.11b/g/n/ac, AP or station mode	Frequency Bands	2.4 GHz & 5 GHz
Speed	1167Mbps	Security	WEP, WPA, WPA2
Encryption	64/128 AES, TKIP	Antennas	2 × 2 MIMO
Connector	SMA-K		
Serial Interface			
Type	1 × RS-232 + 1 × RS-485 serial port	Socket Form	1 × 5-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, Cellulares 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, Hongdian Wedora Cloud Platform		
Serial Ports Function	Transparent, Modbus RTU, etc		
Power Supply and Consumption			
Connector	DC socket	Voltage Input	+9V~+36V DC
Power Consumption	Idle: 350mA@12V DC, Data transceiving: 900mA@12V DC		
Others			
Reset Button	Yes	Hardware Watchdog	Yes
LED Indicators	9 indicators for PWR, NET1, NET2, DATA, LED Indicators WiFi 2.4GHz, WiFi 5GHz, Signal		
Physical Characteristics			
Ingress Protection	IP30	Housing & Weight	Metal, 550g
Dimension	177.8×105.2×28.5(mm)	Installations	Desktop, wall mounting
Operating Temperature	-30 ~ +75 °C	Storage Temperature	-40 ~ +85 °C
Relative Humidity	≤ 95%(no condensing)		

EMC			
ESD	EN61000-4-2, level2	RS	EN 61000-4-3, level2
EFT	EN 61000-4-4, level2	Surge Protection	EN 61000-4-5, level2
CS	EN 61000-4-6, level2		

Appearance



Ordering info

Part No.	Network	Frequencies	Interface					Certifications (*In progress)	Regions	
			SIM	WLAN	GPS	GigE	RS232			RS485
H8923-L6GL-CS-WG	LTE Cat 6	LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B29/B30/B32/B66/B71 LTE-TDD: B34/B38/B39/B40/B41/B42/B43/B46 (LAA)/B48 (CBRS) WCDMA: B1/B2/B3/B4/B5/B6/B8/B19	2	AC1200	YES	5	1	1	CE*, FCC*	Global
H8923-NREA-CS-W2	5G NSA/SA	NSA/SA: n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/n75/n76/n77/n78 LTE FDD: B1/B3/B5/B7/B8/B20/B28/B32 LTE TDD: B38/B40/B41/B42/B43 WCDMA: B1/B5/B8	2	AC1200	-	5	1	1	CE*, FCC*	Europe, the Middle East, Africa, Korea, Thailand, India, Malaysia
H8923-NREA-CS-WG	5G NSA/SA	NSA/SA: n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/n75/n76/n77/n78 LTE FDD: B1/B3/B5/B7/B8/B20/B28/B32 LTE TDD: B38/B40/B41/B42/B43 WCDMA: B1/B5/B8	2	AC600	YES	5	1	1	CE*, FCC*	Europe, the Middle East, Africa, Korea, Thailand, India, Malaysia
H8923-NUEA-CS-W2	5G NSA/SA	NSA: n1/n3/n7/n38/n40/n41/n77/n78/n79 SA: n1/n3/n7/n8/n20/n28/n38/n40/n41/n77/n78/n79 LTE FDD: B1/B2/B3/B4/B5/B7/B8/B20/B28A/B28B/B66 LTE TDD: B38/B40/B41 WCDMA: B1/B2/B5/B8	2	AC1200	-	5	1	1	CE*, FCC*	Europe, the Middle East, Africa, Korea, Thailand, India, Malaysia
H8923-NRGL-CS-W2	5G NSA/SA	NSA/SA: n1/n2/n3/n5/n7/n8/n12/n20/n25/n28/n38/n40/n41/n48/n66/n71/n77/n78/n79 LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12(B17)/B13/B14/B18/B19/B20/B25/B26/B28/B29/B30/B32/B66/B71 LTE-TDD: B34/B38/B39/B40/B41/B42/B43/B48 LAA B46 (2 × 2 MIMO) UMTS WCDMA: B1/B2/B3/B4/B5/B6/B8/B19	2	AC1200	-	5	1	1	CE*, FCC*	Global

Packing list



Packing Box



H8923 5G Wi-Fi Router



Power adaptor (USA, FCC, UL)
* Other types available



4x5G Antenna



Wi-Fi Antenna



Power Adaptor (EU Type)
* Other types available



GPS Antenna
* Only GPS Version



RJ45 Cable



Installation Kit