

H8951

4G Wi-Fi Router



Overview

H8951 is the starting product among the Hongdian's incredible wireless communication product family, dedicating for professional M2M & IoT applications. It provides excellent wireless communication solution to customer by connecting their end devices towards their business success. H8951 cellular Wi-Fi router has been approved by global customers who are using its cellular based connection solution for all their assets/machines to get online, Wi-Fi station and Ethernet WAN can also be configured to help you build up different network topologies. Plus Links auto-failover, VPN data encryption, and multi-VPN tunnel backup mechanism, giving customer a secure and extremely reliable networking solution.

Highlights



Always-online connectivity

4G/WiFi/Ethernet can be configured as link-backup mode for Internet auto-failover



Industry demanded stability

Hardware watchdog & software defined auto-recovery mechanism in HongdianOS



Data protection

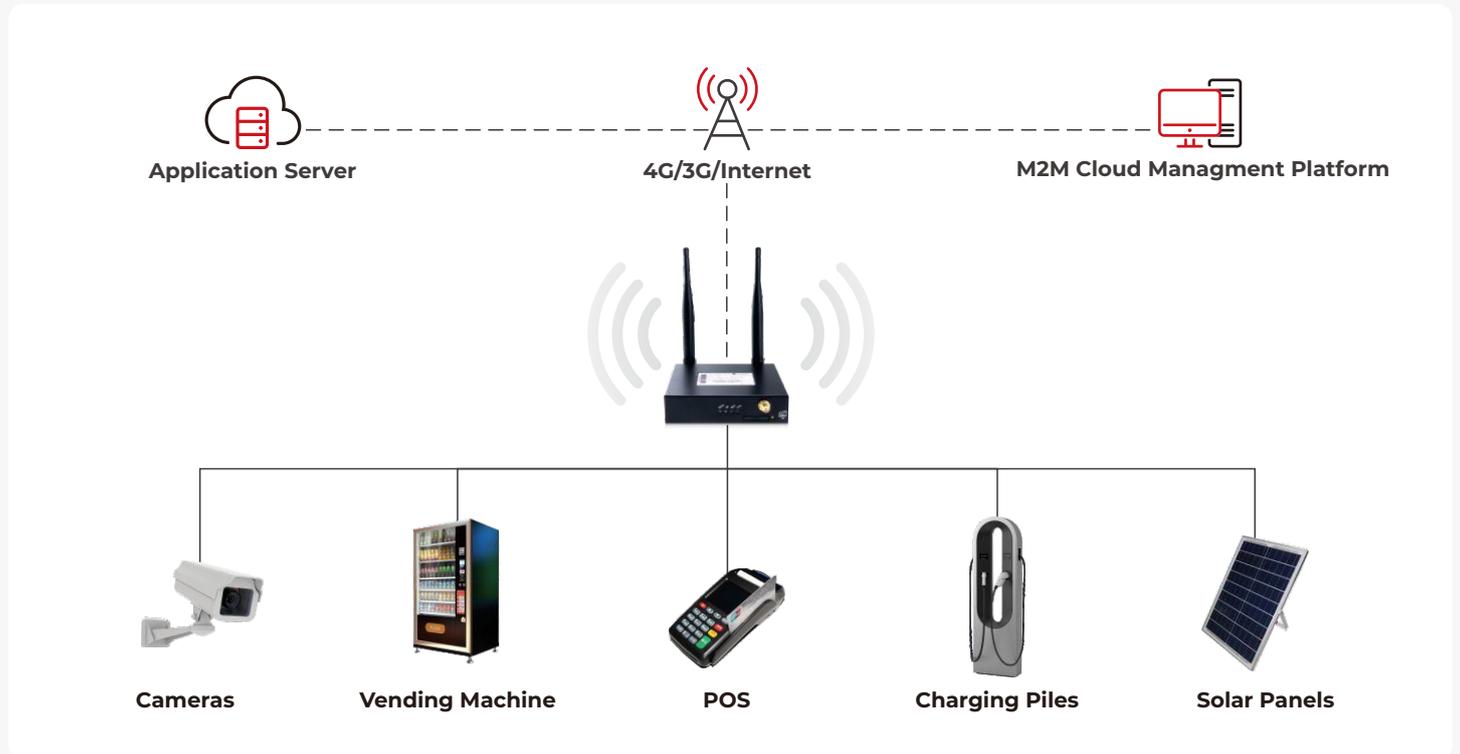
Advanced VPN protocols integrated, provide secure M2M communication network



Market approved quality

Widely deployed and helping customer to win their business globally

Topology diagram



Automated Parcel Locker



Vending Machine



Smart Charging Pile



Solar Energy

Features



LTE Cat 1/Cat 4, Multi-APN mode support



Wi-Fi & Ethernet for different end devices access



Advanced VPN and Firewall for data security



Wider temperature and voltage range

Specification

Hardware			
CPU	Mediatek MIPS 24Kc 580 MHZ		
RAM	128MB	FLASH	16MB
Cellular Interface			
Modem	1 × LTE Cat4 or 1 × LTE Cat 1	SIM	1 × Mini SIM (2FF)
Number of Antennas	2 (MAIN+AUX)	Connector	SMA-K
Ethernet Interface			
Number of Ports	2 × 10/100 Mbps, Ethernet	Configuration	2 × LAN or 1 × 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		
Software			
Auto Fail-over	Between: 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, Telnet, SSH2, 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		
Power Supply and Consumption			
Connector	DC socket	Voltage Input	+5V~+36V DC
Power Consumption	Idle: 100mA@12V DC, Data transceiving: 350mA@12V DC		
Others			
Reset Button	Yes	Hardware Watchdog	Yes
LED Indicators	4 indicators for WiFi, RF, NET, SYS		
Physical Characteristics			
Ingress Protection	IP30	Housing & Weight	Metal, 300g
Dimension	99.7×98.8×23.4(mm)	Installations	Desktop, wall mounting
Operating Temperature	-30 ~ +75 °C	Storage Temperature	-40 ~ +85 °C
Relative Humidity	≤ 95%(no condensing)		

Appearance



Ordering info

Part No.	Network	Frequencies	Interfaces			Certifications (*In progress)	Regions
			SIM	RJ45	WLAN		
H8951-L4-ENEA	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				CE, RoHS, E-mark*	Europe, the Middle East, Africa, Korea, Thailand, India, Malaysia
H8951-L1-ENEA	LTE Cat 1						
H8951-L4-ENNA	LTE Cat 4	4G (LTE-FDD): B2/B4/B5/B12/B13/B25/B26 3G: B2/B4/B5				FCC, IC, PTCRB	North America
H8951-L1-ENNA	LTE Cat 1						
H8951-L4-ENSA	LTE Cat 4	4G (FDD-LTE): B1/B2/B3/B4/B5/B7/B8/B28 4G (LTE-TDD): B40 3G: B2/B3/B5/B8	1	2	Wi-Fi 4	RCM*, Anatel*	Oceania, South America
H8951-L4-ENJP	LTE Cat 4						
		4G (FDD-LTE): B1/B3/B8/B18/B19/B26/B28 4G (LTE-TDD): B39/B41 3G: B1/B6/B8/B19				VCCI*, JATE*, TELEC*	Japan

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

Packing list

 <p>Packing Box</p>	 <p>H8951 4G Wi-Fi Router</p>	 <p>4G Magnetic SMA Antenna *Other type antennas available</p>
 <p>Power Adaptor (EU type)</p>	 <p>RJ45 Cable</p>	 <p>Wi-Fi SMA Antenna</p>
		 <p>Installation Kit</p>