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H8951 4G Cellular VPN Router

Overview

H8951 Cellular VPN Router is the staring product among the Hongdian's incredible wireless communication product family, dedicated for professional M2M & IoT applications. It provides excellent wireless communication solution to customer by connecting their end devices towards their business success. It supports RS-232 or RS-485 interface, with ultra-high cost performance. It 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 machanism, giving you 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

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Industry demanded stability

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Hardware watchdog & software defined auto-recovery mechanism in HongdianOS



Data protection

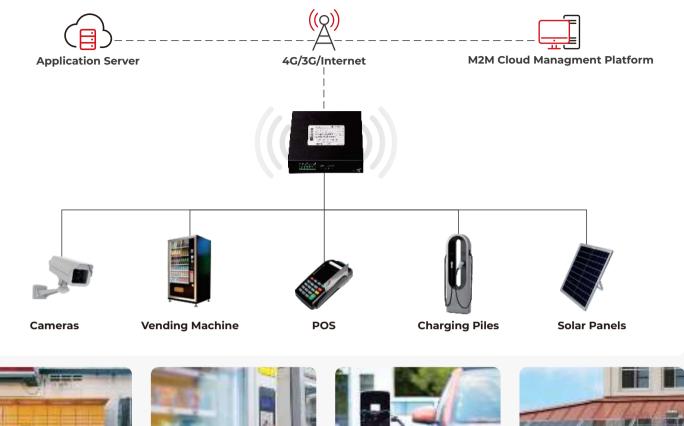
Advanced VPN protocols integrated, provide secure M2M communication network



Market approved quality

Widely deployed and helping customer to win their business globally

Topology diagram





Automated Parcel Locker

Features

Vending Machine



Smart Charging Pile

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Advanced VPN protocols integrated, provide secure network

Solar Energy



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Support RS-232/RS-485

for Internet auto-failover

LTE Cat4/WiFi/Ethernet link-backup



Support Hongdian Wedora RMS for cloud based management

Specification

Hardware									
CPU	MISP 24Kc 580MHz								
RAM	128MB	FLASH	16MB						
Cellular Interface									
Modem	1 × LTE Cat4	SIM	1 × Mini SIM (2FF)						
Number of Antennas	2	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	WEP, 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 Forword IP/Domain/MAC Filter, Access Control List								
VPN	PPTP/L2TP/GRE/IPSec/OpenVPN/DMVPN/WireGuard								
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



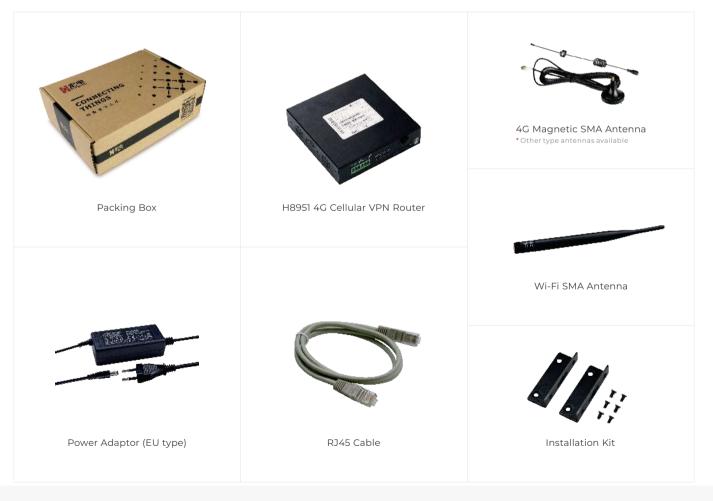


Ordering info

Part No.	Network	Frequencies	Interfaces			Certifications (*In progress)	Regions
H8951-L4-ENEA	LTE Cat 4	4C(LTE-FDD): B1/B3/B5/B7/B8/B20 4C (LTE-TDD): B38/B40/B41 3C: B1/B5/B8 2C: B3/B8	SIM	RJ45	WLAN	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 4G (FDD-LTE): B1/B2/B3/B4/B5/B7/ B8/B28 4G (LTE-TDD): B40 3G: B2/B3/B5/B8	1 2		FCC, IC, PTCRB	North America	
H8951-L1-ENNA	LTE Cat 1					FCC, IC, PICRB	North America
H8951-L4-ENSA	LTE Cat 4			2 Wi-Fi 4	RCM*, Anatel*	Oceania, South America	
H8951-L4-ENJP	LTE Cat 4	4C (FDD-LTE): B1/B3/B8/B18/B19/B26/ B28 4C (LTE-TDD): B39/B41 3C: B1/B6/B8/B19				VCCI*, JATE*, TELEC*	Japan

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

Packing list





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