

H8949

4G Cellular VPN Router



Overview

H8949 4G Cellular VPN Router provides excellent wireless communication solution to customer by connecting their end devices towards their business success. 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 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



Industrial-Grade Stability

Hardware watchdog & software defined auto-recovery mechanism in HongdianOS



Data protection

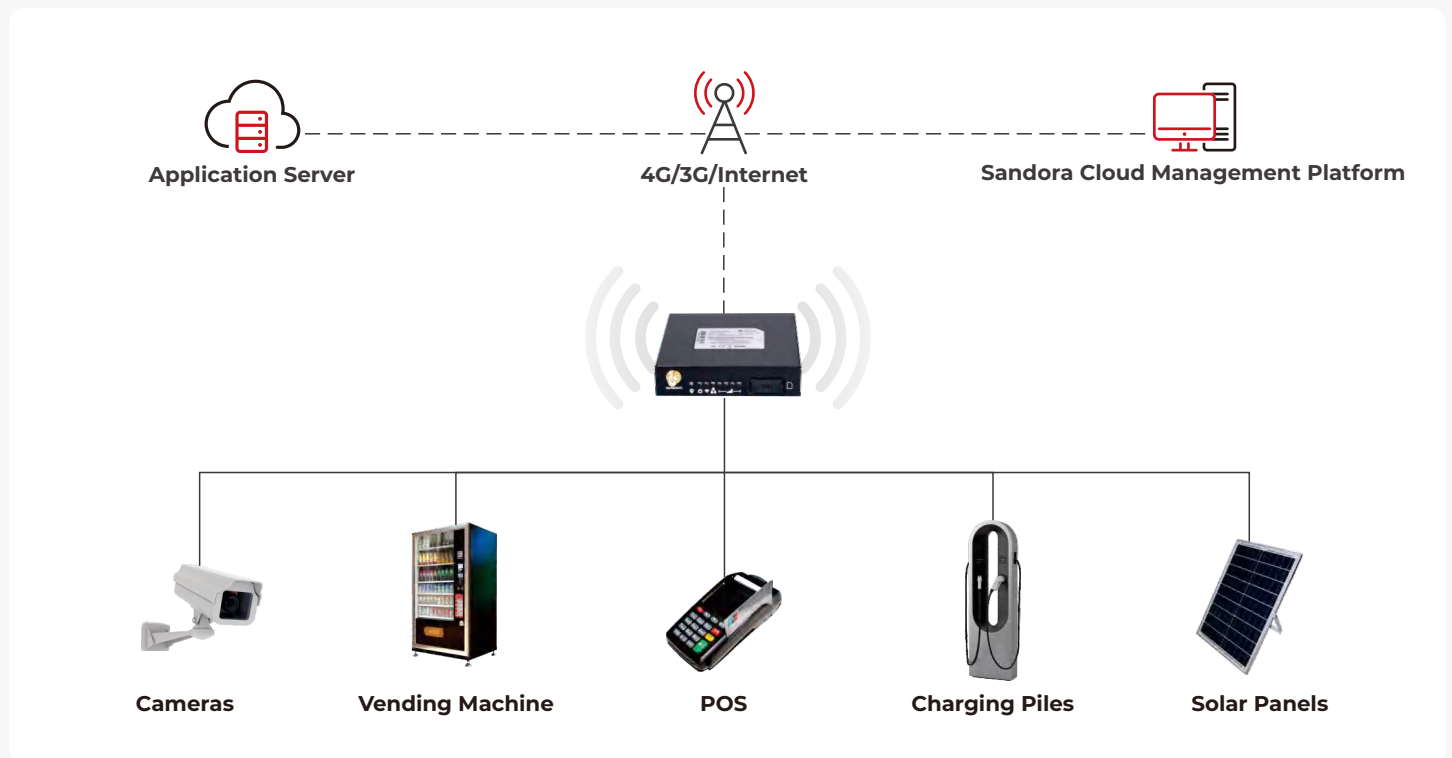
Advanced VPN protocols integrated, provide secure M2M communication network



Market-Proven Reliability

Widely deployed and helping customer to win their business globally

Topology diagram



Automated Parcel Locker



Vending Machine



Smart Charging Pile



Solar Energy

Features



**Support Qualcomm/ASR
LTE Cat4 module**



**Advanced VPN protocols integrated,
provide secure network**



Market-Proven Reliability

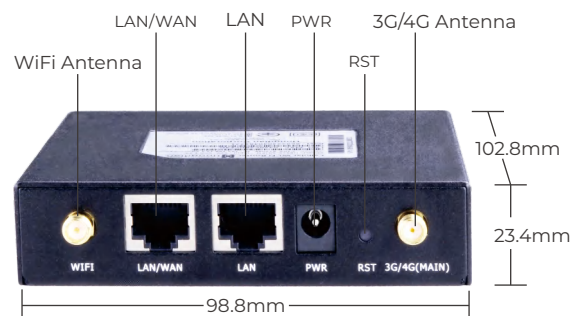
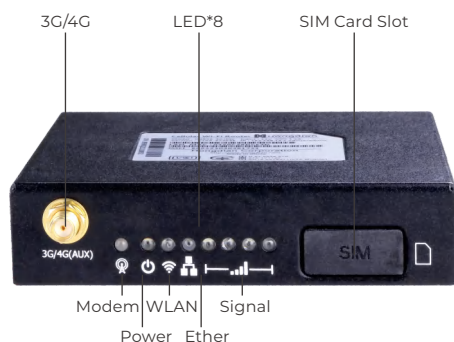


**Support Hoditek Sandora RMS for
cloud based management**

Specification

Hardware			
CPU	MIPS 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	1 × WAN/LAN + 1 × LAN
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		
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, IPv4, IPv6, DHCP, ICMP, NAT, HTTP, HTTPS, DNS, ARP, NTP, Telnet, SSH2, 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		
IPsec 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		
Power Supply and Consumption			
Connector	DC Jack	Voltage Input	+9V~+12V DC
Power Consumption	Idle: 100mA@12V DC, Data transmission: 350mA@12V DC		
Others			
Reset Button	Yes	Hardware Watchdog	Yes
LED Indicators	8 indicators for Modem, Power, WLAN, Ethernet and Signals		
Physical Characteristics			
Ingress Protection	IP30	Housing & Weight	Metal, 300g
Dimensions(W×D×H)	98.8×102.8×23.4(mm)	Installation	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	Interfaces			Certifications (*In progress)	Regions
H8949-L4EU-W	LTE Cat4	4G (LTE-FDD): B1/B3/B5/B7/B8/B20 4G (LTE-TDD): B38/B40/B41 3G: B1/B8 2G: B3/B8	1	RJ45	N150	CE, RoHS, RCM	Europe, the Middle East, Africa, Korea, Thailand, India, Malaysia, Australia
H8949-L4EA-W	LTE Cat4	4G (LTE-FDD): B1/B3/B5/B7/B8/B20 4G (LTE-TDD): B38/B40/B41 3G: B1/B5/B8 2G: B3/B8				CE, RoHS, RCM	Europe, the Middle East, Africa, Korea, Thailand, India, Malaysia, Australia
H8949-L4GL-W	LTE Cat4	4G (LTE-FDD): B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/B28 4G (LTE-TDD): B38/B39/B40/B41 3G: B1/B2/B4/B5/B6/B8/B19 2G: B2/B3/B5/B8				FCC, IC, PTCRB, AT&T, Verizon, T-mobile	Global, North America
H8949-L4JP-W	LTE Cat4	4G (FDD-LTE): B1/B3/B8/B18/B19/B26 4G (TDD-LTE): B41 3G: B1/B6/B8/B19				JATE, TELEC, VCCI*	Japan

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

Packing list



Packing Box



H8949 4G Cellular VPN Router



Power adaptor (USA, FCC, UL)

* Other types available



Power Adaptor (EU Type)

* Other types available



4G Magnetic Antenna

* Other types antennas available



Wi-Fi Antenna



RJ45 Cable



Wall Mounted Kit



25mm DIN Rail Kit (Optional)