HODITEK

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H8959

4G Cellular VPN Router



Overview

H8959 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

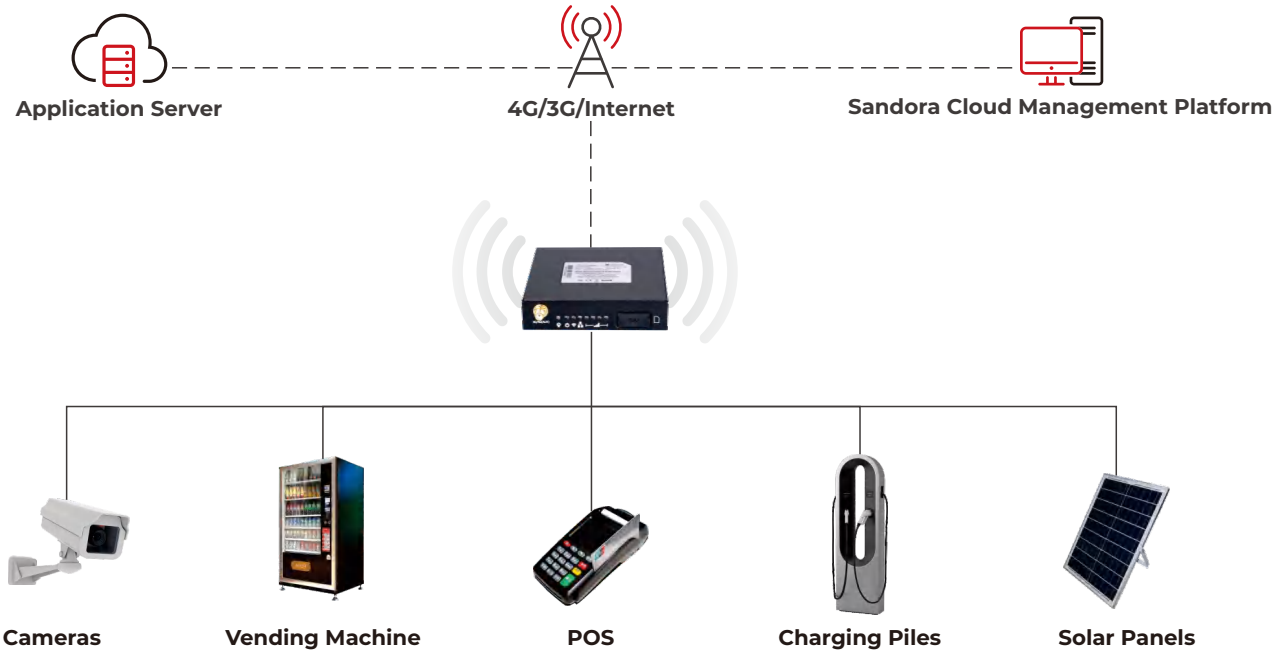
Data protection

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

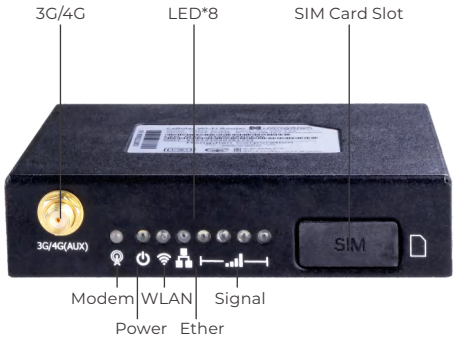
Features

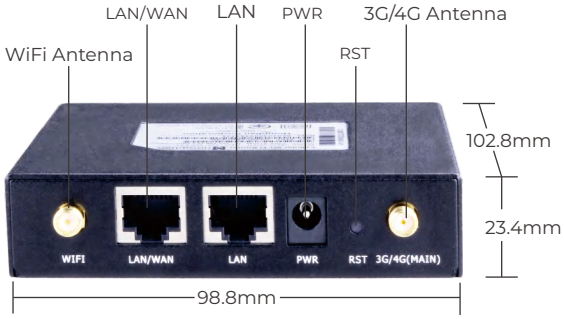
- ***Support Qualcomm/ASR LTE Cat4 module***
- ***Advanced VPN protocols integrated, provide secure network***
- ***Market-Proven Reliability***
- ***Support Hoditek Sandora RMS for cloud based management***

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 Forword 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
			SIM	RJ45	WLAN		
H8959-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	2	N150	CE, RoHS, RCM	Europe, the Middle East, Africa, Korea, Thailand, India, Malaysia, Australia
H8959-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
H8959-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
H8959-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 representitive.

Packing list



Packing Box



H8959 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)

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