

H8952

4G Cellalur Router



Overview

The H8952 is a newly upgraded LTE IoT router. It will continue to provide incredible performance as its predecessor H8951, while providing more features by upgrading with dual SIM, remote access, cloud management, VPN and SD-WAN. It provides excellent wireless communication solution to customer by connecting their end devices towards their business success. It features integrated RS-232 and RS-485 serial interfaces, offering industry-leading cost-effectiveness for industrial IoT applications. 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 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



Industry Demanded Stability

Hardware watchdog & software defined auto-recovery mechanism in HoditekOS



Data Transmission Security

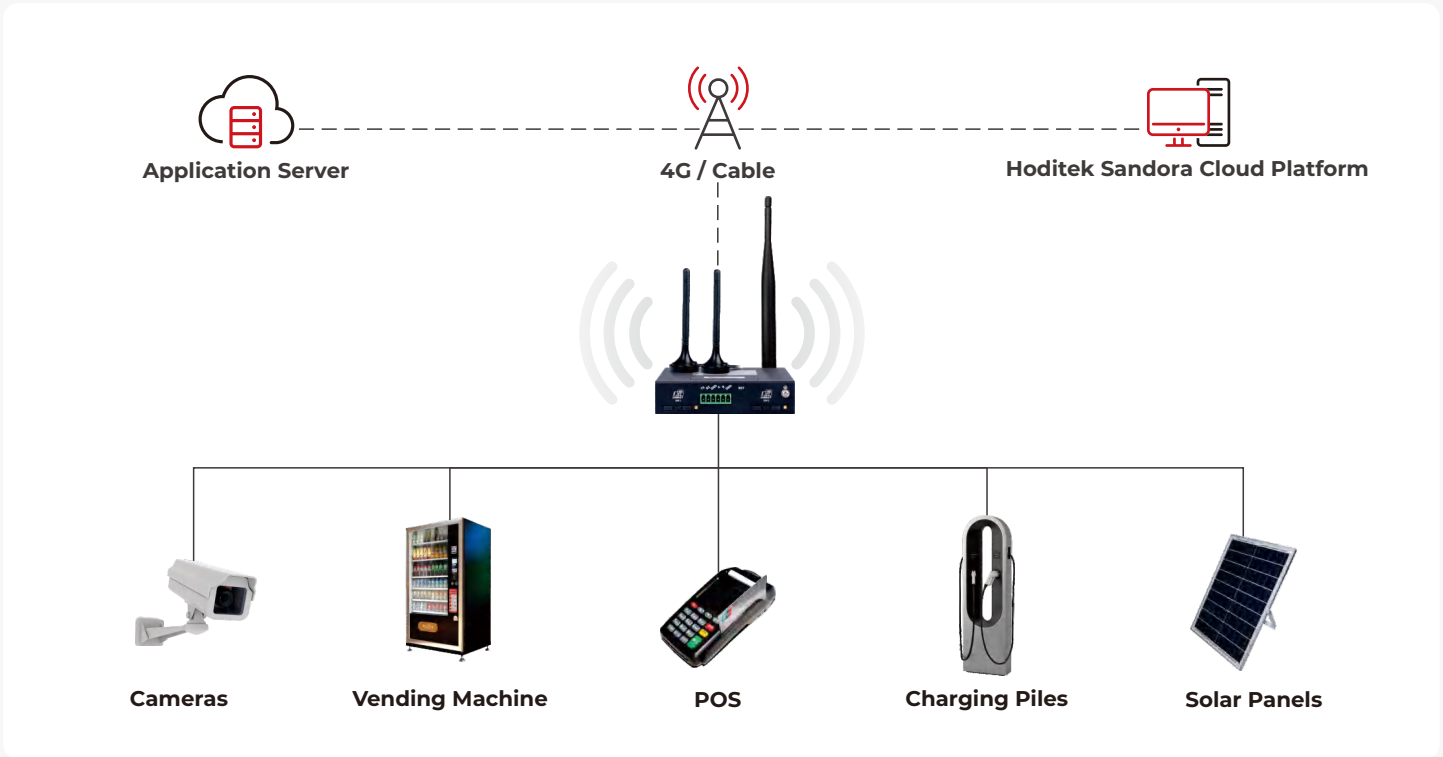
Advanced VPN protocols integrated, provide secure M2M communication network



Rugged Industrial Design

- Wide temperature & voltage input range
- Immunity to interference and low electromagnetic emissions

Topology diagram



Automated Parcel Locker



Vending Machine



Smart Charging Pile



Solar Energy

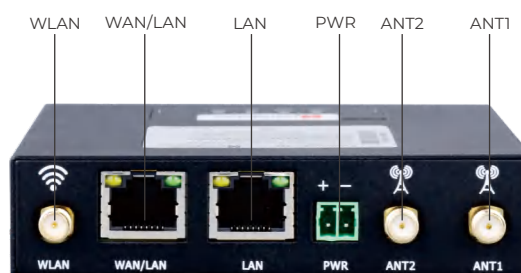
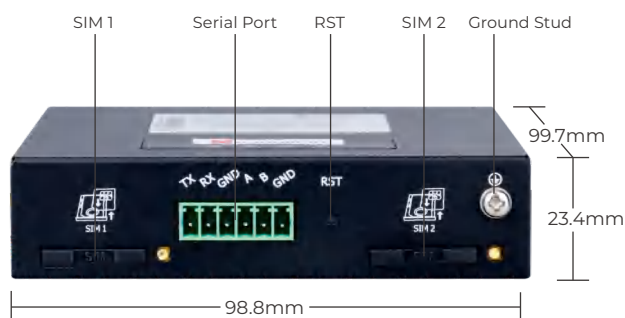
Specification

Hardware			
CPU	MIPS 24Kc 580MHz		
RAM	128MB	FLASH	16MB
Cellular Interface			
Modem	1 × LTE Cat4	SIM	2 × 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		

Specification

Serial Interface			
Type	1 × RS-232 + 1 × RS-485 serial port	Socket Form	6-pin pluggable terminal (3.5mm pitch)
Signal Definition	RX, TX, GND (RS-232); A+, B-, GND (RS-485)	Baudrate	RS-232 (300-115200bps), RS-485 (300-115200bps)
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.		
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		
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		
VPN	PPTP/L2TP/GRE/IPSec/OpenVPN/DMVPN/WireGuard		
Remote Management	HTTP, Telnet, SSH, SMS, SNMP V1/V2/V3, SNMP TRAP, Hoditek Sandora Cloud Platform		
Serial Ports Function	Transparent, Modbus RTU, etc		
Power Supply and Consumption			
Connector	2-pin pluggable terminal block	Voltage Input	+5V~+36V DC
Power Consumption	Idle: 120mA@12V DC; Data transmission: 180mA@12V DC (LTE Cat4)		
Others			
Reset Button	Yes	Hardware Watchdog	Yes
LED Indicators	4 indicators for Wi-Fi, DATA, NET, PWR		
Physical Characteristics			
Ingress Protection	IP30	Housing & Weight	Metal, about 300g
Dimension	99.7×98.8×23.4(mm)	Installation	Desktop, wall mounting
Operating Temperature	-30 ~ +75 °C	Storage Temperature	-40 ~ +85 °C
Relative Humidity	≤ 95%(no condensing)		

Appearance



Ordering info

Part No.	Network	Band	RS-232	RS-485	Wi-Fi	Ethernet	Region*
H8952-CS-rW	-	-	1	1	PR-SMA, 1×1 SISO	2	ALL
H8952-L4EU-RF-CS-rW	Single LTE Cat4	LTE-FDD: B1/3/5/7/8/20/28 LTE-TDD: B38/40/41 WCDMA: B1/5/8 GPRS/EDGE: B3/B8	1	1	PR-SMA, 1×1 SISO	2	EU
H8952-L4EU-CS-rW	Single LTE Cat4	LTE-FDD: B1/3/5/7/8/20/28 LTE-TDD: B38/40/41 WCDMA: B1/5/8 GPRS/EDGE: B3/B8	1	1	PR-SMA, 1×1 SISO	2	EU
H8952-L4LN-CS-rW	Single LTE Cat4	LTE-FDD: B1/2/3/4/5/7/8/28 LTE-TDD: B40 WCDMA: B1/2/4/5/8 GPRS/EDGE: B2/3/5/8	1	1	PR-SMA, 1×1 SISO	2	LN
H8952-L4NA-CS-rW	Single LTE Cat4	LTE-FDD: B2/4/5/12/13/14/66/71 WCDMA: B2/4/5	1	1	PR-SMA, 1×1 SISO	2	NA
H8952-L4GL-CS-rW	Single LTE Cat4	LTE-FDD: B1/2/3/4/5/7/8/12/13/18/19/ 20/25/26/28 LTE-TDD: B38/40/41 UMTS: B1/2/4/5/6/8/19 GSM: B2/3/5/8	1	1	PR-SMA, 1×1 SISO	2	GL
H8952-L4EA-CS-rW	Single LTE Cat4	LTE-FDD: B1/3/5/7/8/20 LTE-TDD: B38/40/41 WCDMA: B1/5/8 GPRS/EDGE: B3/B8	1	1	PR-SMA, 1×1 SISO	2	EA

* Region*: ALL-No Restriction, EU-EMEA (Europe, the Middle East, Africa)/APAC(Non-CN/JP)/Brazil,NA-North America, LN-Latin America / Australia and New Zealand, GL-Global, EA-EMEA (Europe, the Middle East, Africa)/APAC

Packing list

			
Packing box	H8952 4G Cellular Router	4G Magnetic SMA Antenna * Other type antennas available	Wi-Fi SMA Antenna
			
RJ45 Cable	Power Adaptor (EU type)	25mm DIN Rail Kit (Optional)	Installation Kit * Optional