

# H8951S

## Industrial Cellular Wi-Fi Router



### Overview

Based on 4G wireless networking, H8951 industrial Cellular Wi-Fi router supports wired/wireless network backup. It has high reliability and convenient networking, so it is suitable for large-scale distributed industrial applications, such as smart express cabinets, charging piles, bank ATM machines, Tower monitoring, electricity, water conservancy, environmental protection, etc.

**OS**

HongdianOS

**4G**

4G-LTE

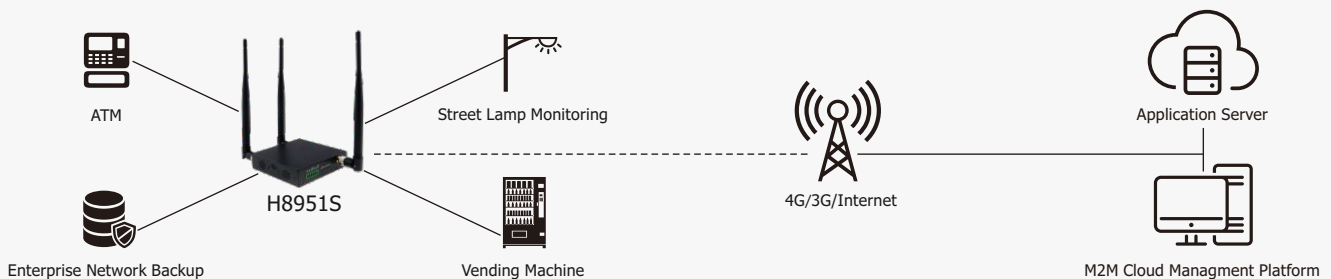


VPN

### Features

- 3G/4G/5G-ready
- Cellular/wired failover
- 802.11 b/g/n
- HongdianOS+SDK
- 1×LAN, 1×LAN/WAN, 1×RS485/RS232
- PPTP/L2TP/GRE/IPSec/OpenVPN/DMVPN/EzVPN
- Supports cold backup, warm backup
- Management and maintenance via Web/CLI/SNMP/Wedora

### Diagram Scheme



# Specification (\* Indicates special edition supported)

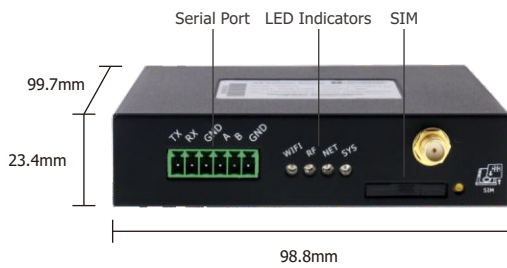
Network			
<b>Cellular</b>	LTE/WCDMA(HSPA+)/EDGE/GPRS	<b>Band</b>	Worldwide Complied
<b>LAN</b>	ARP, Ethernet	<b>WAN</b>	Static IP, DHCP, PPPoE
<b>Internet Access</b>	APN, VPDN	<b>Authentication</b>	CHAP/PAP/MS-CHAP/MS-CHAPV2
<b>WLAN</b>	IEEE 802.11b/g/n, AP/Client/Repeater		
Network Protocols		Integration	
<b>IP</b>	DHCP Server/Client/Relay, DNS Relay, IPv6	<b>DTU Function</b>	Modbus TCP (Slave/Master) Standard TCP/UDP transparent transmission TCP/UDP agency (LAN Connection DTU)
<b>Routing</b>	Static Routing, Policy routing, Optional RIP, OSPF and BGP		
<b>Others</b>	ICMP, DDNS, VLAN		
Security			
<b>Two Level Authority</b>	Full Authority/Read-Only User	<b>Firewall</b>	NAT, PAT, DMZ, Port Forward IP/Domain/MAC Filter Access Control List (ACL)
<b>Digest Authentication</b>	Anti CSRF		
<b>AAA</b>	Radius, TACACS+	<b>VPN</b>	PPTP, L2TP, GRE, IPsec, OpenVPN IPsec IKEv2, SHA2, AES256, CA DMVPN, EzVPN
<b>Password Security</b>	All password/key settings can be encrypted		
<b>VPN Server</b>	L2TP Server		
Reliability			
<b>Link Backup</b>	WAN/Modem Link Backup VRRP	<b>Auto-Recovery</b>	LCP, Heartbeat Package link maintenance ICMP Detection, Self-diagnostic, Auto-recover
<b>QOS</b>	Control of bandwidth	<b>Watchdog</b>	Hardware watchdog
Device Management			
<b>Configuration</b>	HTTP, Telnet, SSH, SMS SNMP V1/V2/V3, SNMP TRAP Hongdian Wedora cloud platform	<b>Upgrade</b>	Local upgrade WEB/FTP Hongdian Wedora cloud upgrade
<b>Reboot</b>	Local, Remote Reboot, Scheduled Reboot	<b>Diagnostic</b>	Ping, traceroute
<b>Syslog</b>	Local/Remote Log User login, operation log record in Wedora cloud platform *	<b>Wedora Cloud Platform</b>	Centralized M2M Platform Traffic Statistics Report Statistics Location Management Group Management IPFix package capture for analyze * Alarm by email Device/Platform log record Batch config/upgrade Bandwidth utilization monitor * Data usage statistic Secure remote access to application device
<b>Data Flow Monitoring</b>	Bandwidth utilization monitor on device GUI		
<b>Activation Mode</b>	Activate by Data Activate by SMS Scheduled Online/Offline		
<b>SMS management</b>	Send/Receive SMS from GUI to change data plan Authorized cellular number to configure or control router		
Interface			
<b>Ethernet Ports</b>	1×LAN 10/100Mbps Ethernet Ports, 1×WAN/LAN 10/100Mbps Ethernet Ports		
<b>SIM Card Slot</b>	1.8V/3.0V	<b>Serial Port</b> (115200bps)	1×RS485 (Rate is configurable) 1×RS232(Optional, Rate is configurable) RS232: TXD, RXD, GND RS485:A, B ESD: 15KV
<b>Reset</b>	Pinhole Reset Button		
<b>Antenna</b>	SMA-K 4G×1, WiFi×1, Reserved antenna interface×1		
Mechanical			
<b>Installation</b>	Wall Mounted	<b>Dimension (mm)</b>	99.7×98.8×23.4
<b>Housing</b>	Metal	<b>IP Level</b>	IP30
<b>Cooling</b>	Fanless	<b>Weight</b>	About 300g
Power		Environment	
<b>Input</b>	+5~+36V DC	<b>Relative Humidity</b>	<95% (Non-condensing)
<b>Idle</b>	About 100mA@12V DC	<b>Storage</b>	-40 ~ +85°C
<b>Working</b>	About 350mA@12V DC	<b>Working</b>	-30 ~ +75°C
Indicators		Certificated and Approved by	
<b>LED Indicators x 4</b>	WiFi, RF, NET, SYS	CE, FCC, RoHS, IC, UL, EMC, VCCI, MIC, EAC+FSB, ANATEL, RCM, NBTC, PTCRB	

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Device Reliability			
<b>Impact</b>	IEC60068-2-27	<b>Free Fall</b>	IEC68-2-32
<b>Crash</b>	IEC68-2-29	<b>Vibration</b>	IEC68-2-6, JT/794
EMC			
<b>EDI</b>	EN61000-4-2, level4	<b>PFEMS</b>	EN61000-4-3, level3
<b>EFTBI</b>	EN61000-4-4, level4	<b>RF Induced Conductivity</b>	EN61000-4-6, level3
<b>EMF</b>	EN61000-4-8, >level4		

## Appearance Dimension

FRONT



BACK

