

Modem Specification

Connecting things
Hongdian

www.hongdian.com

H8951

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

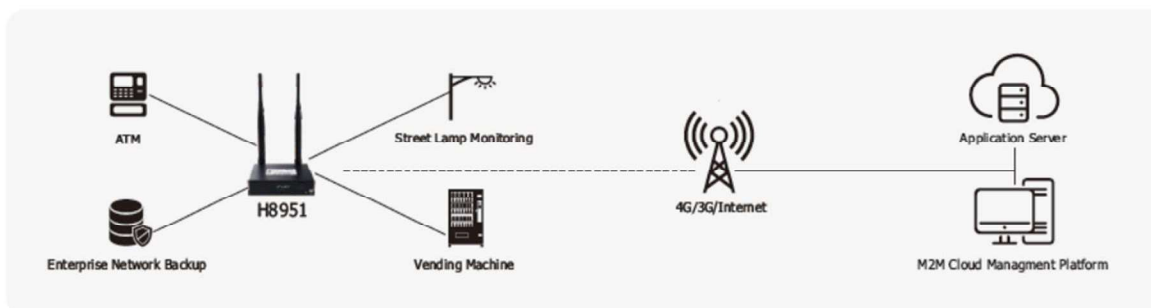
VPN

VPN

Features

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

Diagram Scheme



Specification (* Indicates special edition supported)

Network			
Cellular	LTE/WCDMA(HSPA+)/EDGE/GPRS	Band	Worldwide complied
LAN	ARP, Ethernet	WAN	Static IP, DHCP, PPPoE
Internet Access	APN, VPDN	Authentication	CHAP/PAP/MS-CHAP/MS-CHAPV2
WLAN	IEEE 802.11b/g/n, AP/Client/Repeater		
Network Protocols			
IP	DHCP server/Client/Relay, DNS relay, IPv6		
Routing	Static routing, Policy routing, optional RIP, OSPF and BGP	Others	ICMP, DDNS, VLAN
Security			
Two Level Authority	Full authority/read-only user	Firewall	NAT, PAT, DMZ, port forward IP/Domain/MAC Filter Access control list (ACL)
Digest Authentication	Anti CSRF		
AAA	Radius, TACACS+	VPN	PPTP, L2TP, GRE, IPIP, OpenVPN IPSec IKEv2, SHA2, AES256, CA DMVPN, EzVPN
Password Security	All password/key settings can be encrypted		
VPN Server	L2TP server		
Reliability			
Link Backup	WAN/modem link Backup VRRP	Auto-Recovery	LCP, heartbeat package link maintenance ICMP detection, self-diagnostic, auto-recover
QOS	Control of bandwidth	Watchdog	Hardware watchdog
Device Management			
Configuration	HTTP, Telnet, SSH, SMS SNMP V1/V2/V3, SNMP TRAP Hongdian Wedora Cloud Platform	Upgrade	Local Upgrade WEB/FTP Hongdian Wedora cloud upgrade
Reboot	Local, remote reboot, scheduled reboot	Diagnostic	Ping, traceroute
Syslog	Local/Remote Log User login, operation log record in Wedora cloud platform *	Wedora Cloud Platform	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
Data Flow Monitoring	Bandwidth utilization monitor on device GUI		
Activation Mode	Activate by data Activate by SMS Scheduled online/offline		
SMS management	Send/receive SMS from GUI to change data plan Authorized cellular number to configure or control router		
Interface			
Ethernet Ports	1xLAN 10/100Mbps Ethernet Ports, 1xWAN/LAN 10/100Mbps Ethernet Ports		
SIM Card Slot	1.8V/3.0V	Antenna	SMA-K 4Gx1, WiFix1, Reserved antenna interfacex1
Reset	Pinhole reset button		
Mechanical			
Installation	Wall mounted	Dimension (mm)	99.7x98.8x23.4
Housing	Metal	IP Level	IP30
Cooling	Fanless	Weight	About 300g
Power		Environment	
Input	+5~+36V DC	Relative Humidity	<95% (Non-condensing)
Idle	About 100mA@12V DC	Storage	-40 ~ +85°C
Working	About 350mA@12V DC	Working	-30 ~ +75°C
Indicators		Certificated and Approved by	
LED Indicators x 4	WiFi, RF, NET, SYS	CE, FCC, RoHS, IC, UL, EMC, VCCI, MIC, EAC+FSB, ANATEL, RCM, NBTC, PTCRB	
Device Reliability			
Impact	IEC60068-2-27	Free Fall	IEC68-2-32
Crash	IEC68-2-29	Vibration	IEC68-2-6, JT/794

Specification (* Indicates special edition supported)

EMC			
EDI	EN61000-4-2, level4	PFEMS	EN61000-4-3, level3
EFTBI	EN61000-4-4, level4	RF Induced Conductivity	EN61000-4-6, level3
EMF	EN61000-4-8, >level4		

Appearance Dimension

FRONT



BACK

