

H8922S

Industrial Dual Module Cellular Router



Overview

Based on 3G/4G LTE technology, H8922S industrial dual module cellular router adopts high-performance 32-bit Processor, embedded operating system design. APN/VPDN private network access, dual SIM (dual module optional) backup guarantees data transmission security and provides high-speed, reliable routing and data transmission capabilities. Optional GPS positioning and makes it more convenient In use. All of this makes it widely used in telecommunications, finance, information media, power, transportation, automotive and environmental industries.

OS

HongdianOS



Dual SIM

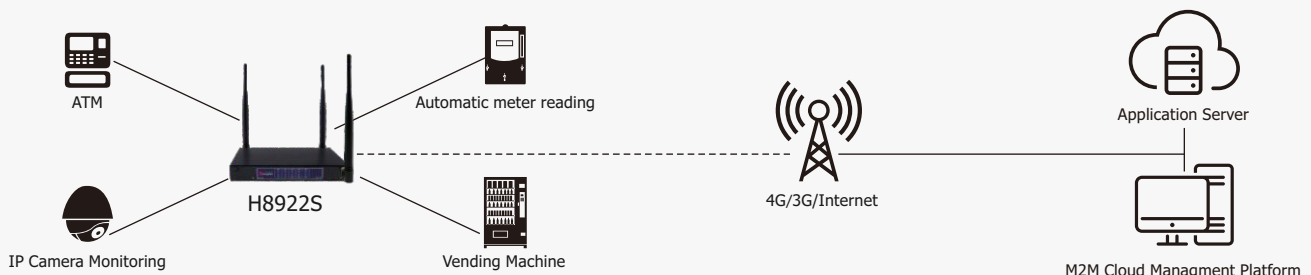


Wi-Fi

Features

- 3G/4G/5G-ready
- Cellular/wired failover
- 1×RS485, 1×RS232
- HongdianOS+SDK
- 2.4G WiFi, AP/Station, GPS optional
- Rugged industrial design for 7×24 connectivity
- Dual SIM for 2 carriers backup, dual module optional
- PPTP/L2TP/GRE/IPSec/OpenVPN/DMVPN/EzVPN
- Supports cold backup, warm backup and load balancing
- Management and maintenance via Web/CLI/SNMP/Wedora

Diagram Scheme



Specification (* Indicates special edition supported)

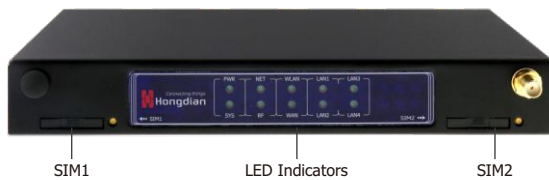
Network			
Cellular	LTE/WCDMA(HSPA+)/EDGE/GPRS	Band	Worldwide Complied
LAN	ARP, Ethernet	WAN	Static IP, DHCP, PPPoE
Internet Access	APN, VPDN	Authentication	CHAP/PAP/MS-CHAP/MS-CHAPV2
WLAN	IEEE 802.11b/g/n		
Network Protocols		Integration	
IP	DHCP Server/Client/Relay, DNS Relay, IPv6	DTU Function	Modbus TCP (Slave/Master)
Routing	Static Routing, Policy routing, Optional (RIP, OSPF and BGP)		Standard TCP/UDP transparent transmission
Others	ICMP, DDNS, VLAN		TCP/UDP agency (LAN Connection DTU)
Security			
Two Level Authority	Full Authority/Read-Only User	Firewall	NAT, PAT, DMZ, Port Forward
Digest Authentication	Anti CSRF		IP/Domain/MAC Filter
AAA	Radius, TACACS+	VPN	Access Control List (ACL)
Password Security	All password/key settings can be encrypted		PPTP, L2TP, GRE, IPsec, OpenVPN
			IPsec IKEv2, SHA2, AES256, CA
			DMVPN, EzVPN, EoVPN
Reliability			
Link Backup	Dual SIM, Dual Modem, WAN/Modem Link Backup VRRP, Load Balance	Auto-Recovery	LCP, Heartbeat Package link maintenance
QOS	Control of bandwidth	Watchdog	ICMP Detection, Self-diagnostic, Auto-recover
Dying Gasp	Optional capacitor maintenance and alarm by SMS or M2M platform		Hardware watchdog
Device Management			
Configuration	HTTP, Telnet, SSH, Serial Port, SMS SNMP V1/V2/V3, SNMP TRAP Hongdian Wedora Cloud Platform	Upgrade	Local Upgrade WEB/TFTP/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
Data Flow Monitoring	Bandwidth utilization monitor on device GUI		Traffic Statistics
Activation Mode	Activate by Data Activate by SMS Scheduled Online/Offline		Report Statistics
SMS management	Authorized cellular number to configure or control router SMS Alarm trigger by I/O		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
Interface			
Ethernet Ports	4×LAN10/100Mbps Ethernet Ports, 1×WAN10/100Mbps		
SIM Card Slot	1.8V/3V	Serial Port (115200bps)	1xRS232 data interface
Reset	Pinhole Reset Button		1 x RS485 data interface
Antenna	SMA-K 4G×2, WiFi×1 (Extendedversion×2), GPS×1(Optional)		RS232: TXD, RXD, GND
			RS485: A, B
			ESD: 15KV
Mechanical			
Installation	Wall Mounted	Dimension (mm)	176×105×25, 176×105×46 (Extended version)
Housing	Metal	IP Level	IP30
Cooling	Fanless	Weight	About 540g, About 670g (Extended version)
Power		Environment	
Input	+5~+36V DC	Relative Humidity	<95% (Non-condensing)
Idle	About 200mA@12V DC	Storage	-40 ~ +85°C
Working	About 550mA@12V DC	Working	-30 ~ +70°C
Indicators		Certificated and Approved by	
LED Indicators x 10	PWR, SYS, WAN, LAN1~LAN4, RF, NET, WLAN	CE, FCC, RoHS, IC, UL, EMC, VCCI, MIC, EAC+FSB, ANATEL, RCM, NBTC, PTCRB	

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Device Reliability			
Impact	IEC60068-2-27	Free Fall	IEC68-2-32
Crash	IEC68-2-29	Vibration	IEC68-2-6, JT/794
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

