

# MW8922S

## Industrial Dual Module Cellular Router



### Overview

Based on 3G/4G LTE technology, MW8922S dual SIM 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.



Dual SIM

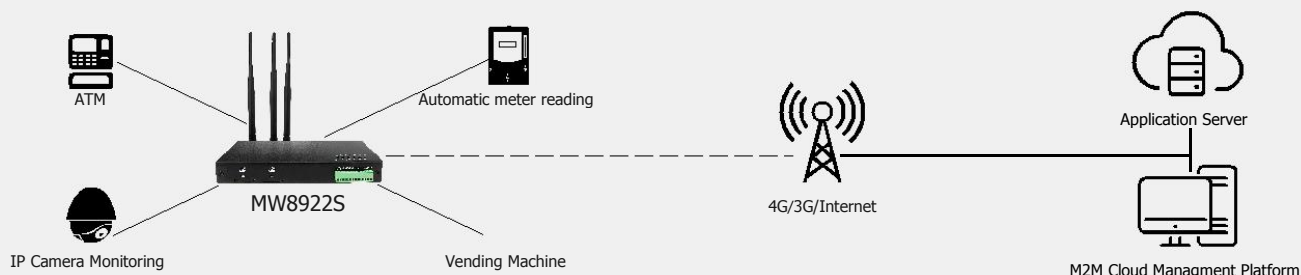


Wi-Fi

### Features

- 3G/4G/5G-ready
- Cellular/wired failover
- 1×RS485, 1×RS232
- 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 )

Interface			
Ethernet Ports	4×LAN10/100Mbps Ethernet Ports, 1×WAN10/100Mbps		
SIM Card Slot	1.8V/3V	Serial Port (115200bps)	1xRS232 data interface 1 x RS485 data interface RS232: TXD, RXD, GND RS485: A, B ESD: 15KV
Reset	Pinhole Reset Button		
Antenna	4G×2 WiFi×1 (Extendedversion:×2) GPS×1(Optional)		
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			
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, EoVPN
Password Security	All password/key settings can be encrypted		
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℃
Working	About 550mA@12V DC	Working	-30 ~ +70℃
Reliability			
Link Backup	Dual SIM, Dual Modem, WAN/Modem Link Backup VRRP, Load Balance	Auto-Recovery	LCP, Heartbeat Package link maintenance ICMP Detection, Self-diagnostic, Auto-recover
QOS	Control of bandwidth	Watchdog	Hardware watchdog
Dying Gasp	Optional capacitor maintenance and alarm by SMS or M2M platform		
Device Reliability			
Impact	IEC60068-2-27	Free Fall	IEC68-2-32
Crash	IEC68-2-29	Vibration	IEC68-2-6, JT/794
Integration			
DTU Function	Modbus TCP (Slave/Master) Standard TCP/UDP transparent transmission TCP/UDP agency (LAN Connection DTU)		
Indicators		Certificated and Approved by	
LED Indicators x 10	PWR, SYS, WAN, LAN1~LAN4, RF, NET, WLAN	RoHS, CE	
Device Managemant			
Configuration	HTTP, Telnet, SSH, Serial Port, SMS SNMP V1/V2/V3, SNMP TRAP Wedora Cloud Platform	Upgrade	Local Upgrade WEB/TFTP/FTP Wedora Cloud Upgrade

Device Managemant			
<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 *
<b>Data Flow Monitoring</b>	Bandwidth ultilization monitor on device GUI		Alarm by email Device/Platform log record Batch config/upgrade
<b>Activation Mode</b>	Activate by Data Activate by SMS Scheduled Online/Offline		Bandwidth ultilization monitor *
<b>SMS management</b>	Authorized cellular number to configure or control router SMS Alarm trigger by I/O		Data usage statistic Secure remote access to application device

## Appearance Dimension

FRONT



BACK

