

Ricon Mobile S9922L



Industrial Router Datasheet

Efficiency Through Innovative Technology

S9922L



The S9922L is a mobile network router based on 2G / 3G / 4G / 4.5G, WiFi and VPN technologies. Powerful 64-bit Processor and integrated real-time operating system specially developed by Ricon Mobile. Such as Ethernet and WiFi can easily connect any network device connected via interface connections, over the mobile network, transparently, to the internet or a central local network via a simple configuration. S9922L; It is widely used in many areas such as intelligent transportation, scada, POS, industrial automation, telemetry, finance, environmental protection.

S9922L Router supports Ricon Management System (RMS). By the management system, you can check running info of S9922L Router and configure the router remotely and publish remote updates.

S9922L Models & Quick Specifications



S9922L-LTE



- LTE/3.5G support, 2.5G/3G compliance
- Interface : 2 x LAN (1 x LAN/WAN Combo)
- 1 x SIM Slots (Passive Backup)
- Single GSM Module
- LTE+/LTE/DC-HSPA+/HSPA+/HSPA/WCDMA/2G
- WEB UI/CLI/SNMP/Telnet/SSH
- Ricon Management System (RMS)
- Component-level Industrial Design
- 2x2 LTE MIMO SMA Antenna
- 802.11b/g/n Wi-Fi



S9922L-3G



- 2.5G/3G support
- Interface : 2 x LAN (1 x LAN/WAN Combo)
- 1 x SIM Slots (Passive Backup)
- Single GSM Module
- DC-HSPA+/HSPA+/HSPA/WCDMA/2G
- WEB UI/CLI/SNMP/Telnet/SSH
- Ricon Management System (RMS)
- Component-level Industrial Design
- 2x2 3G MIMO SMA Antenna
- 802.11b/g/n Wi-Fi

S9922L

Cellular Networks

- » EDGE/GPRS
- » FDD-LTE/TDD-LTE
- » WCDMA/UMTS/HSPA/HSPA+ CDMA2000 EVDO/CDMA 1x
- » Ethernet Standard
- » IEEE 802.3
- » IEEE 802.3U

Wi-Fi

- » Standard: IEEE 802.11b/g/n
- » AP, Client, Station, Bridge Mode Support
- » WEP, WPA and WPA2 encryption w/AES-TKIP
- » IEEE 802.11ac Optional 5Ghz Wi-Fi support
- » SSID Isolation Support
- » Channel manipulation support
- » 20Mhz/40Mhz beamer support
- » Dual Mesh Radio Application with 802.11ac

Interfaces

- » 1x10/100 Mb LAN
- » 1x10/100 Mb LAN/WAN
- » 1x Console
- » 2x SMA-K antenna
- » 1x SMA-K antenna (Wi-Fi)
- » 1x Standard SIM/R-UIM
- » 1x Standard DC Power Input

Indicators

- » 3G/4G1 : RF Indicator
- » SIG1 : GSM Module 1 Signal Attachment
- » DATA : Connection Establishment
- » RUN : System O/S Health
- » WLAN : Wireless LAN Connection
- » WAN : Wide Area Network Cable Connection Status
- » LAN : Local Area Cable Connection Status (Lan1~Lan4)

Power

- » On Idle: 80mA + 12VDC
- » Single Module Power Consumption : <5W
- » Power Feed : 5 - 36VDC

Physical Specs

- » Dimensions : 131 mm x 100 mm x 29 mm (including antenna)
- » Weight : 395 gr.
- » Industrial Alloy Metal Housing

Certifications

» Health	EN 62311
» Safety	EN 60950 - 1+A11+A1+A12
» EMC	EN 301-489-1/-7/-17/-24
	EN 55022, EN 55024
» Radio	EN 301 511
	EN 301 908-1/-2
	EN 300 328



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Functional Features



Temperature Recognition

- » Operation Temp.: -20°C to +70°C
- » Store Temp: -40°C ~ +85°C
- » Related humidity: <95 (noncondensing)

VPN

- » IPSec
- » PPTP/L2TP client
- » GRE/IPIP

Device Management

- » Local or remote web browser (IE v8 or above)
- » CLI/Telnet command
- » Ricon Management System (RMS) (optional)
- » SSH config (optional)

Software Functions (Special)

- » 5651 sends all connection logs of Wi-fi / LAN clients for log applications to a central database in real time.

Firewall & Filtering

- » IP packet/Domain/MAC Filter
- » NAT
- » DMZ

Feature

- » Support OpenWrt
- » Support feature customize with API
- » CPU: 580MHz
- » SDRAM: DDR2 256 MB
- » Flash: 128Mb

Routing Protocols

- » Static Route
- » RIPv2/OSPF Dynamic Route
- » VRRP (Hardware Backup)

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Multiple Working Modes

- » LED monitor
- » Support WEB, CLI, SSH, multiple parameter management
- » Data trigger online/offline
- » LCP/ICMP/flow/heartbeat check, ensure network usability

Ultra Secure Data Transmission

- » VPN support GRE/L2TP/PPTP/IPSec/OpenVPN
- » GRE over IPSec, IPSec over PPTP/L2TP
- » Supports DHCP Server
- » SNMP network management, NTP support, GPS clock support
- » OSPF, RIP, BGP optional
- » Optional QoS (Quality of Service) smart control base on protocol, application, IP subnet

Easy Maintenance Operation

- » Support local /remote firmware and patch upgrade
- » Support parameter backup and import, Support encryption
- » Support CFE firmware upgrade (Never about crash when doing upgrade)
- » Support Console port maintenance
- » Support smart switch when using multiple server
- » Local/Remote log for easy debugn

Full Network Mode

- » 4G(TD-LTE/FDD LTE), DS-HSPA+, HSPA+, HSPA, WCDMA,EVDO, TD-SCDM,CDMA1x , EDGE/GPRS
- » WAN, WLAN, SIM1\SIM2 multiple way network
- » WLAN AP/station/repeater, 802.11n(802.11ac optional), at most 300Mbps
- » 1 LAN port
- » WAN support ADSL(PPPoE), static IP, DHCP client
- » Support VPDN, APN private network
- » 802.11b/g/n(ac optional) Wi-Fi optional, WPS key
- » Supports DNS proxy and Dynamic DNS (DDNS)

RMS Ricon Management System

- » Great monitor capability
- » Remote terminal management maintenance
- » Check status of internet at any time
- » GIS showing device location
- » Debug remotely
- » Flow static and analyze

EMC4 Industrial Design, Stable and Durable

- » Aluminum shell, IP30 protection
- » System security isolation, particularly suitable for the application of industrial control field
- » Wide range power supply (DC 5-36V)
- » Support WDT
- » Antenna lightning protection
- » SIM/UIM port: 15KV ESD protection
- » Power port: reverse-voltage and overvoltage protection
- » Ethernet port: 1.5KV magnetic isolation protection

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