



S9922MC-LTE

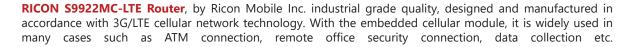
4.5G Industrial Router Datasheet

Efficiency Through Innovative Technology



Product Overview

S9922MC-LTE Industrial Router



Ricon Mobile S9922MC router provides maximum service to customers while Zero Touch-SMS installation minimizes the need for field service with easy and automatic product installation service. S9922MC Router, Single Module Single SIM hardware type. The best throughput value of the S9922MC Router is 200 Mbps. The unique feature of the S9922MC Router is that it is online and redundant over the network between WAN, WLAN, 3G/LTE network. This feature allows the S9922MC to provide maximum network availability and reduce the likelihood of network failure to prevent losses due network failures.

Mobile S9922MC routers are web-based and easily routed through CLI. In addition, the Ricon Management System Controller (RMSC) successfully accomplishes the goal of reducing the maintenance costs

with the ability to access all the Ricon products in the network and to access instant and statistical on the web environment and manage them 100%.

S9922MC-LTE Model & Specification



S9922MC-LTE



- LTE/3.5G support, 2.5G/3G compatibility
- 1 x 10/100TBase Ethernet LAN interface
- 1 x 10/100TBase Ethernet LAN/WAN interface
- 1 x RS232/RS485 interface (optional)
- 1 x SIM slot
- Single GSM module
- VLAN support (LINK TAG/UNTAG)
- LTE+/LTE/DC-HSPA/HSDPA+/HSDPA/WCDMA/2G
- WEB user interface UI/CLI/SNMP/Telnet/SSH
- Component-level industrial design
- 2x2 LTE MIMO SMA antenna
- 2 x 802.11b/g/n Wi-Fi antenna
- 802.11b/g/n Wi-Fi
- MODBUS-TCP protocol support

S9922MC-LTE Router Specification

Interface



>> LAN : 1 x 10/100BaseT(MDI-X) RS232 / RS485 : 1 x 5 pin terminal socket

SMA-K (LTE MIMO) : 2 x LTE/3G/2G SIM / R-UIM : 1 x USIM slot

Reset Switch

DC Power Socket : 1 x 3 pin terminal socket

Indicator

: RF indicator

LTE **POWER** : Power status

WLAN : Wireless LAN connection WAN : WAN cable connection status

Power Specification



Mechanics



On Idle :80mA + 12VDC

Single Module Power Consumption : <5W Power Feed : 5 - 35VDC » Dimension : 75mm x 60mm x 28mm

: 190 gr. Weight

Industrial aluminum alloy metal housing

IP54 case

Specification

S9922MC-LTE Industrial Router

Cellular Network



- » EDGE/GPRS
- >> Ethernet Standards: IEEE 802.3, IEEE 802.3U
- >> FDD-LTE/TDD-LTE
- WCDMA/UMTS/HSPA/HSPA+/CDMA2000 EVDO/CDMA

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

Temperature Recognition

- **)** Operation Temp. :-40 °C \sim +75 °C **)** Shelf Temp. :-45 °C \sim +85 °C
- » Related Humidity : <%95 (non-condensing)</p>

VPN

- >> IPSec
- >> PPTP/L2TP client
- >> GRE/EoGRE
- » OpenVPN, DMVPN
- >> EoIP

Device Management

-)) Local or remote web browser
- CLI/Telnet command
- » RMSC
- SSH config
- Wi-Fi

Hardware Feature

CPU : Arm Cortex Dual Core

SDRAM : DDR2 256 MB

Flash: 64MB

Firewall & Filtering

- » IP packet/Domain/MAC filter
- » NAT
- » DMZ
- >> VPN pass through
- Stateful firewall

Health

Safety

EMC

Radio

Certifications

EN 62311

EN 301 511

EN 300 328

EN 301 908-1/-2

EN 60950 - 1+A11+A1+A12

EN 301-489-1/-7/-17/-24

EN 55022, EN 55024









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Functional Features

S9922MC-LTE Industrial Router

Routing Protocols

- Static route
- Policy route
- >> RIPv2/OSPF dynamic route
- >> VRRP
- » BGP

Maintenance Operation

- » Local/remote firmware and patch upgrade support
- » Backup, import configuration
- >> Easy to debug local/remote system log
- » RMSC support

Secure Data Transmission

»1024 bit encryption GRE/L2TP/PPTP/IPSec/OpenVPN/EoGRE »GRE over IPSec, IPSec over PPTP/L2TP »Supports DHCP Server, DHCP Forwarding/Relay »SNMP network management, NTP support »QoS (Quality of Service) protocol

RMSC

- Excellent monitor feature
-)) IPFix support
- » SLA based live alarm control
- » Bulk remote configuration
- » Remote configuration with timer
- » Remote terminal management maintenance
- » Display of GIS device location (optional)
- » Remote debugging
- » Flow static and analysis
- » Automatic installation (RiconApps)

Industrial Design

- V간이상KUİP(B57)당왕유남동[RPY위(W'! S문동양:양동학(양5;4; FALSE)

 >> System security isolation, Particularly suitable for the
- System security isolation, Particularly suitable for the application of industrial control field
- Wide working power (DC 5-35V)
- » Antenna lightning protection
- SIM/UIM port: 15KV ESD protection
- **>>** Power port: reverse-voltage and overvoltage protection
- >> Ethernet port: 1.5KV magnetic isolation protection

Supported Network Protocols

- 39 4G (TD-LTE/FDD LTE), DS-HSPA +, HSPA +, HSPA, WCDMA, EVDO, TD-SCDM, CDMA1x, EDGE/GPRS
- » EWAN, WLAN, SIM1
- WLAN AP/station/repeater, 802.11n up to 300Mbps
- >> VPDN
- » 802.11b/g/n Wi-Fi
- Supports DNS proxy and dynamic DNS (DDNS)
- » APN
- » DHCP client



CONTACT RICON GLOBAL OFFICES

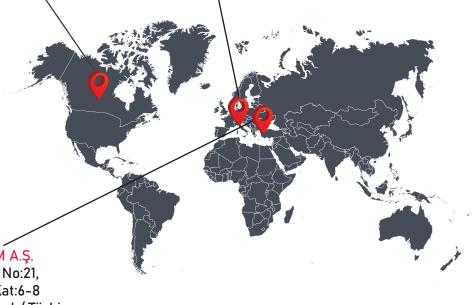
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