

Ricon Mobile

S9922MC4

4.5G Industrial Router

Datasheet



Efficiency Through Innovative Technology

S9922MC4 4.5G Industrial Router

RICON S9922MC4 device provides high efficiency and performance in internet and remote office connections with its 2 GSM module support and Active / Active redundancy feature. In addition to CLI support, central management platform, RMS (Ricon Management System), remote installation and management of devices It is a small size and low cost industrial router.

S9922MC4 Router Models & Specifications



S9922MC4-LTE

- 4 x 100M Ethernet LAN Interface
- 4 x 1000M Ethernet LAN Interface (Optional)
- 1 x 10/100/1000TBase Ethernet WAN Interface
- 2 x SIM, 1 x GSM Module, Active/Passive connection
- Optional Second GSM Module Support, Active/Active connection
- LTE Cat4, Cat6, Cat12 Carrier Aggregation
- 4.5G LTE+/LTE/DC-HSPA+/HSDPA+/HSDPA/WCDMA/2G
- WEB/CLI/SNMP/Telnet/SSH
- 2 x 802.11b/g/n Anteni, 2 x LTE MIMO SMA Anteni
- 802.11b/g/n Wi-Fi, Optional 802.11ac 5.8GHz Wi-Fi
- 1 x RS232, Optional 1 x RS485
- Layer2 EoGRE, EoGRE IPv4, VLAN Desteği
- DHCP Server/Relay Support Option 40, 62, 82

S9922MC4 Router Specifications

Interfaces



- » LAN : 4 x 100 Mbps
- » Optional LAN : 4 x 1000 Mbps
- » WAN : 1 x 10/100/1000T
- » SMA-K Antenna(MIMO) : 2
- » Reset Switch : 1
- » DC Power Socket : 1
- » RS232 / RS485(optional) : 1

Indicators



- » POWER : Power indicator
- » SYS : Sistem Durumu
- » RF1 : SIM 1 Active Status
- » RF2 : SIM 2 Active Status
- » Wi-Fi : Wireless LAN Connection
- » WAN : Wide Area Network Cable Connection Status

Power Specifications



- » On Idle : 80mA + 12VDC
- » Single Module Power Consumption : <5W
- » Power Feed : 5 - 35VDC

Dimension



- » Dimensions : 140mm x 100mm x 40mm (Anten Hariç)
- » Weight : 320 gr.

Cellular Networks



- » EDGE/GPRS
- » LTE-TDD B38/B40/B41 bands
- » LTE-FDD B1/B3/B5/B7/B8/B20 bands
- » (3G)WCDMA/UMTS/HSPA/HSPA+CDMA2000 EVDO/CDMA
- » Ethernet standards IEEE 802.3, IEEE 802.3U
- » Optional GPS Module Support

Wi-Fi



- » Standard: IEEE 802.11b/g/n (Optional 802.11ac)
- » AP, Client, Station, Bridge Mode Support
- » WEP, WPA and WPA2 encryption, AES-TKIP
- » Channel manipulation support
- » 20MHz/40MHz Beamer Support

Environment Parameters

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

VPN

Specifications

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Device Management

- » Local or remote web browser (IE v8 or above)
- » CLI/Telnet command
- » SSH config (optional)
- » Standard: IEEE 802.11b/g/n
- » AP, Client, Station, Bridge Mode Support
- » WEP, WPA and WPA2 encryption

Firewall & Filtering

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

Routing Protocols

- » Static route
- » RIPv2/OSPF
- » VRRP

Multiple Links Connection Insurance

- » 2 x SIM, 1 x GSM Module, Active/Passive Connection
- » Optional Second GSM Module Support, Active/Active Connection

Feature

- » CPU: 580MHz
- » SDRAM: DDR2 256 MB
- » Flash: 128 Mb

Multiple Working Modes

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

Maintenance Operation

- » Local / remote firmware and patch upgrade support
- » Parameter backup, import and encryption support
- » Firmware update support
- » Easy to debug local / remote system log

Network Connection Features

- » 4G (TD-LTE / FDD LTE), DS-HSPA +, HSPA +, HSPA, WCDMA, EVDO, TD-SCDMA, CDMA1x, KENAR / GPRS
- » WAN, WLAN, SIM1/SIM2 Multiple way network
- » WLAN AP/Station/Repeater, 802.11n at most 300Mbps
- » 4 LAN Port
- » WAN Support PPPoE, Static IP,
- » DHCP Server/Relay Support Option 40, 62, 82
- » Support VPDN, APN private network
- » 802.11b/g/n (ac optional) Wi-Fi, WPS key
- » Supports DNS Proxy and Dynamic DNS (DDNS)

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
- » Layer2 EoGRE, EoGRE IPv4 VLAN support

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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