

# Ricon Mobile

# S9930M-LTE

## CPE Router Datasheet



Efficiency with Innovative Technology

## S9930M-LTE



The RICON S9930M-LTE Router is designed and manufactured by Ricon Mobile Inc. with infrastructure based on home or small-class LTE cellular network technology. The embedded cellular module is widely used in many cases such as ATM connection, remote office security connection, data collection, internet access etc. Supports traditional router functions such as VPN, firewall, NAT, SNMP, DHCP. The S9930M-LTE supports LTE as the WAN interface, provides 300Mbps download and 150Mbps upload to WAN bandwidth and 150Mbps Wi-Fi bandwidth. The S9930M-LTE Router supports Single Module + Single SIM hardware.

### S9930M-LTE Models & Quick Specifications



S9930M-LTE



- LTE / 3.5G support, 2.5G / 3G compatibility
- Interface: 1 x LAN
- 1 x SIM Sockets (Passive Backup)
- Single GSM Module (CAT4, DL: 150 Mbps / UL: 50 Mbps)
- LTE + / LTE / DC-HSPA / HSDPA + / HSDPA / WCDMA / 2G
- WEB User Interface
- Remote Management (RMS)
- 1 x LTE MIMO SMA Antenna
- 802.11b / g / n Wi-Fi
- ZX297520 + RTL8192ES chipset
- Supports TR069
- Supports more than 32 WiFi devices online at the same time.

### S9930M-LTE Device Features

#### Cellular Networks



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

#### Wi-Fi



- » Standard: IEEE 802.11b / g / n 2.4 GHz Wi-Fi support
- » AP, Customer, Station, Bridge Mode Support
- » WEP, WPA-PSK, WPA2-PSK, WAPI, w / AES-TKIP
- » SSID Isolation Support
- » Channel management support
- » 20MHz / 40MHz Beamforming support

#### Interfaces



- » 1 x 10 /100BaseT LAN Interface (MDI-X)
- » 1 x SMA-K antenna connector (MIMO)
- » 1 x Standard SIM / R-UIM Interface
- » 1 x Reset Switch
- » 1 x WPS Switch
- » 1 x DC Power socket

#### Indicators



- » SIG1: GSM Module 1 Signal Supplement
- » DATA: Connection Setup
- » POWER: System O / S Health
- » WLAN / WPS: Wireless LAN Connection
- » LAN: Local Area Cable Connection Status (Lan1)

# Specifications

## S9930M-LTE

### Power



- » Power: 12V / 1A DC 2.0
- » Single Module Power Consumption: <5W

### Physical Specs



- » Dimensions: 120mm \* 110mm \* 45mm (not including antenna)
- » Weight: 142 gr.

### Firewall & Filtering

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

### Remote Management Platform

- » Excellent monitor capability
- » Checking the status of the Internet at any time
- » Flow static and analysis

### Easy Maintenance Operation

- » Local / remote firmware and patch upgrade support
- » Support for parameter backup and retrieval, encryption support
- » Firmware update support
- » Intelligent key support when using multiple servers
- » Manual configuration installation support

### Full Network Mode

- » 4G (TD-LTE / FDD LTE), DS-HSPA +, HSPA +, HSPA, WCDMA,
- » EVDO, TD-SCDMA, CDMA1x, EDGE / GPRS
- » WLAN, SIM1
- » WLAN AP / station, 802.11n 2.4 GHz up to 300 Mbps
- » 1 LAN port
- » Support VPDN, APN private network
- » 802.11b / g / n, WPS switch
- » Supports TR069 and USSD
- » Supports IPv4 and IPv6.
- » Supports SIM Lock

### Temperature Recognition

- » Operating Temperature: 0 ~ +40 ° C
- » Store temperature: -20 ~ + 55 ° C
- » Relative humidity: 10 ~ 95% RH

### Multi-Purpose Design

- » WiFi Access Point for SME and End User
- » Standalone GSM Module
- » 3G / 4.5G mobile network with wireless router use

### Multiple Working Modes

- » LED Monitor
- » WEB, multi-parameter management support
- » Data trigger online / offline
- » LCP / ICMP / flow / availability signal control, network availability

### Feature

- » Web Browser (Local / Remote) (IE v8 or higher)
- » DHCP / Client
- » CPU: 580MHz
- » SDRAM: DDR2 128 MB
- » Flash: 32 Mb

### Certifications



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



# CONTACT

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