

# Ricon Mobile

# S9930-LTE

## HyperNET 4.5G Router Datasheet



Efficiency with Innovative Technology

## S9930-LTE HyperNET 4.5G Router



**The RICON S9930-LTE HyperNET Router** is designed and manufactured by Ricon Mobile Inc. in accordance with the infrastructure based on LTE cellular network technology in home or SME class quality. With embedded cellular CAT4 Ricon Mobile module, it is widely used in many situations 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 S9930-LTE supports LTE as a WAN interface, providing 300Mbps download and 150Mbps upload WAN bandwidth and 150Mbps Wi-Fi bandwidth.

S9930-LTE Router supports single module + single SIM hardware. The definable route table enables customers to allocate bandwidth by business type and reduce network delays.

### S9930-LTE Model & Specification



- LTE/3.5G support, 2.5G/3G compatibility
- 1 x LAN
- 1 x WAN/LAN (combo)
- 1 SIM socket (passive backup)
- Single GSM module (CAT4, DL: 150 Mbps / UL: 50 Mbps)
- Embedded CAT4 Ricon Mobile module
- LTE+/LTE/DC-HSPA/HSDPA+/HSDPA/WCDMA/2G
- WEB user interface
- RMSC
- 1 x LTE MIMO SMA antenna
- 802.11b/g/n Wi-Fi
- Supports TR069
- Supports more than 32 WiFi devices online at the same time.

### S9930-LTE Device Features

#### Cellular Network



- » EDGE/ GPRS
- » Ethernet standart
- » FDD-LTE/TDD-LTE
- » WCDMA/UMTS/HSPA/HSPA+/CDMA2000 EVDO/CDMA
- » 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 insulation support
- » Channel management support
- » 20MHz / 40MHz Beamer support

#### Interface



- » 1 x LAN interface (fast ethernet)
- » 1 x WAN/LAN interface (fast ethernet)
- » 2 x SMA-K antenna connector
- » 1 x Standard SIM slot
- » 1 x Reset switch, WPS switch
- » 1 x DC power socket

#### Indicator



- |              |                                      |
|--------------|--------------------------------------|
| » POWER      | : Power connection                   |
| » DATA       | : Connection setup                   |
| » WLAN / WPS | : Wireless LAN connection            |
| » LAN        | : LAN cable connection status (Lan1) |
| » LTE        | : GSM module signal                  |

## Firewall & Filtering

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

## 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

## Mechanics

- » Dimension: 120mm x 110mm x 45mm
- » Weight: 142 gr.
- » Power: 12V/1A DC 2.0
- » Single Module Power Consumption: <5W

## Temperature Recognition

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

## Supported Network Protocols

- » 4G (TD-LTE/FDD LTE), DS-HSPA+, HSPA+, HSPA, WCDMA,
- » EVDO, TD-SCDM, CDMA1x, EDGE/ PRS
- » WLAN, SIM
- » WLAN AP/station, 802.11n 2.4 GHz up to 300 Mbps
- » 2 LAN ports
- » APN private network support
- » TR069 supports
- » Supports IPv4 and IPv6
- » Supports SIM lock

## Multiple Working Modes

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

## Multi-Purpose Design

- » WiFi access point for SME and end user
- » Independent GSM module
- » Using a wireless router with a 4.5G mobile network

## Multiple Working Modes

- » PPTP
- » L2TP
- » GRE Tunnel

## Hardware 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 EN 55022, EN 55024
Radio	EN 301 511 EN 301 908-1/-2 EN 300 328



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