

S9932-5G



Features

- LTE Support, 4G/3G Compatibility
- 2 x Gigabit LAN
- 1 x Gigabit WAN
- 2 x SIM Slot (U-SIM)
- Serial Port (RS232/RS485)
- VLAN Support (Link Tag)
- Web GUI / CLI / SNMP / Telnet / SSH
- Remote Management (RMSC)
- Identity Firewall, CASB
- TLS Inspection
- DHCP Server/Client/Relay

Technical specifications

Dimensions and weight

- Height: 29.7mm
- Width: 122mm
- Depth: 98mm
- Weight: <1kg

Environmental

- Operating temperature: -30~70°C
- Storage temperature: -30~85°C
- Humidity: 5% ~ 95%
- Operating voltage: DC 5V~48V
- IP Rating: IP30

General specifications

CPU	MT7981
Memory	512MB
Storage	16MB
HW Watchdog	Connection schedulers Ping / Uptime Watchdog SMS automation Scripting tasks
SPI Flash	16MB

Interfaces and Configuration

LAN	2x100/1000 Mb
WAN	1x100/1000 Mb
DHCP Server	DHCP Server/Client/Relay, DNS

Cellular Specifications

SIM Support	2 x U-SIM Cards
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Security Features

Firewall	Identity-Based Firewall Cloud Access Control (CASB) TLS Inspection
Filters	Access restriction Restricting wireless access
Misc	Security logging Security alarms Packet capture logging (Dump to file pcap)

GNSS / GPS Features

Chipset	ATGM336D
Supported Bands	GPS/ QZSS: L1 C/A, L5 GLONASS: L1 Galileo: E1, E5a BDS: B1I, B2a
Default Constellations	GPS + GLONASS + Galileo + BDS + QZSS
Number of Concurrent GNSS	4 + QZSS
Sensitivity	4 + QZSS
Protocols	OSPF Routing protocols RIP Routing protocols WPA2 Wi-Fi encryption protocols Industrial data communication protocols
SBAS	WAAS, EGNOS, MSAS and GAGAN

Management Features

Management Interfaces	Web GUI (HTTPS) CLI (SSH / Telnet) SNMP Syslog / Event Log OTA Firmware Update SMS Command Cloud Management Platform
Version Management	Image Checksum Active version and backup version Auto rollback feature when remote upgrade fails
Accounts Management	Integrated Admin/Guest accounting TACACS/TACACS+, Radius Auth. Models
Retrievable Parameters	CLI Command-line access SNMP Remote monitoring and management Web-based graphical interface management

Cellular Modem Features

APN Data Services	Dynamic APN support SIM PIN management Bridge Mode Support
Modem Interface Configuration	Full band-scan Modem Band-Lock Auto/On-Demand dial Enable/Disable Radio Pppd and DHCP dialing options
Modem Failover	Support fail-over on interface drop. Support fail-over on traffic flow interruptions Support Automatic connection recovery.

Wi-Fi

Chipset	MT7976C
Wi-Fi Specifications	Dual-band (2.4GHz and 5GHz) MIMO 802.11 a/b/g/n/ac/ax RF, 20/40/80/160MHz bandwidth MIMO configuration: 3x3 MIMO A-band+ 2x2 MIMO G-band Integrated 2.4GHz/5GHz PA, LNA and TRSW. Integrated power detector to support per packet Tx power control Built-in calibrations for PVT variation Configurable Wi-Fi 2.4/5GHz PA for higher efficiency in low-power applications. Supports external PA and LNA for WiFi-2.4GHz and WiFi-5GHz.
MIMO	3x3 MIMO A-band+ 2x2 MIMO G-band
Wireless Security	WPA2, WPA3
Mode	IEEE 802.11ax/b/g/n

Networking Features

Routing	Static Routing ,Dynamic Routing BGP OSPF / RIP VLAN NAT / Port Forwarding / DMZ DHCP Server / Client Bridging / Passthrough Policy-based Routing (PBR)
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Tunnels	IPSec VPN OpenVPN L2TP PPTP SSTP GRE Tunneling DMVPN Firewall MAC / IP Filtering DoS/DDoS Protection HTTPS / SSH Access
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Forwarding	NAT Support Port Forwarding DMZ Support
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Load Balancing	Per-Package Forwarding Support
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Defaults

Default Box Contents	1 x S9932 Router Hardware 4 x Antennas for 5G 1 x WiFi antenna for 2.4GHz and 5GHz 1 x GPS antenna 1 x 12VDC 1A Power Supply 1 x DIN-Rail mounting kit
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About Ricon

At Ricon, we create technology that brings the communication handy.

As a 22 years B2B technology innovation company, we are designing networks that sense, think and act across mobile, fixed and cloud networks.

Service providers, enterprises and partners worldwide trust Ricon to deliver secure, reliable and sustainable networks today – and work with us to create the digital services and applications of the future.

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Ricon Canada Office (HQ) 5063 North Service Road Burlington Ontario L7L 5H6 Canada riconrequest@riconmobile.com +1 (905) 921-3122 +1 (905) 336-2450	Ricon Turkey Office Ahi Evran Cad. No: 21 Polaris Plaza Kat: 6-8 Maslak İstanbul riconturkiye@riconmobile.com +90 212 346 26 00	Ricon Italy Office Via Tiziano Nr. 32 20145 Milano Italy riconitaly@riconmobile.com +39 347 423 3225
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