Ricon Mobile

S9055-5G

5G Home Gateway Datasheet

Efficiency Through Innovative Technology

RICON

S9055-5G Home Gateway

S9955-5G is a high-performance CPE that support 5G NR and WiFi6 technology. It implements the conversion between 5G NR/LTE wireless data and wired Ethernet data. It supports 802.11ax WiFi6 and can be used independently.

S9955-5G supports the worldwide 5G NR/LTE network, the highest data rate can arrive 2.5Gbps. And the WLAN supports the newest IEEE 802.11ax standards. The AX5400 WiFi data rate can easily supply the HD video, online game, and high-quality network applications.

S9955-5G also support VoLTE, SMS, firewall, VPN, QoS, etc. It satisfies the multi-directional requirements of users. Multiple management and maintenance methods (TR069/CLI/APP*) are convenient for checking and operating. The software online update tool will also constantly provide the upgrade of these functions.

S9055-5G General Specification

S9055-5G

- 4 x Ethernet LAN (Gigabit)
- 1 x Ethernet LAN/WAN (Gigabit)
- 1 x SIM Slot
- Single GSM Module
- 5G/LTE+/LTE/DC-HSPA+/HSPA+/HSPA/(3G)WCDMA/2G
- WEB UI/CLI/SNMP/Telnet/SSH
- Internal 2*2 2.4GHz antennas
- Internal 4*4 5G/LTE antennas
- Support 802.11b/g/n/ac/ax

S9055-5G Specification

Physical Interface

» 1 x USB2.0
» 4 x GE ports (1GE WAN/LAN transform)
» 1 x Phone port
» 1 x Power port
» 1 x SIM slot
» 2 x TS-9 External Antennas port

Cellular Network

» 5G Frequency: n1/n2/n3/n5/n7/n8/n20/n28/n41/n66/n71/n77/n78/n79
» LTE：B1/B2/B3/B4(66)/B5(18/19/26)/B7/B8/B12(17)/B13/B14/B20/B25/B26/B28/B29/B30/B38/B39/B40/B41/B42/B43/B46/B48/B71
» EDGE/GPRS
» FDD-LTE/TDD-(4.5G)LTE
» WCDMA/UMTS/HSPA/HSPA+ CDMA2000 EVDO/CDMA 1x
» Ethernet Standard
» IEEE 802.3
» IEEE 802.3U

Power

» Idle   : 650mA + 12VDC
» Power Consumption   : <5W
» Power Supply   : VDC

Physical Specification

» Dimension : 113.8mm x 95.4mm x 186mm
» Humidity: 5% – 95% (non-condensing)

S9055-5G Home Gateway

Security

» Built-in firewall
» Defense of DoS, ARP attacks/Port scan
» MAC/Port filtering
» 802.1x

Wi-Fi

» Support 802.11 a/b/g/n/ac/ax standards
» AP, Client, Station, Bridge Mode Support
» WPA/WPA2/WPA3 security
» IEEE 802.11ac Optional 5Ghz Wi-Fi support
» MSSID + Guest network
» Channel adaption, WPS: PBC/PIN modes
» 20/40/80/160 MHz bandwidth
» Beamforming, DL MU-MIMO & OFDMA

Temperature Recognition

» Operating temperature   : -10°C to 45°C
» Storage temperature   : -40°C to 70°C

VPN

» IPSec
» PPTP/L2TP client
» GRE/IPIP
» OpenVPN

Management

» WebUI Local Management
» TR069 remote management
» Universal Plug and Play (UPnP)
» Online and local software upgrade

LED Indicators

» 5G NR indicator
» 4G LTE indicator
» 5G Wi-Fi indicator
» 2.4G Wi-Fi indicator
» LAN port indicator
» Phone indicator
» Power indicator

Wi-Fi Antennas

» Internal 2*2 2.4GHz antennas
» Internal 4*4 5GHz antennas
» Gain: 3dBi

Hardware Specification

» CPU: Dual Core A53, 1.0GHz
» FLASH: 128MB
» RAM: 512MB

Certification

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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Canada

PTCRB

CE FC E57 RoHS

UL Certified Power Supply

S9055-5G Home Gateway

Network Protocols

» Operation modes: Bridge or Routed
» Connection modes: PPPoE/DHCP/Static
» IPv4, IPv6, IPv4/IPv6
» DHCP v4/v6 server
» Static (v4/v6) routing
» NAT/ALG/DMZ/virtual server
» ARP/ICMP/DNS proxy
» IGMP snooping and IGMP proxy
» MLD snooping and MLD proxy
» NTP
» VLAN
» VPN: PPTP/L2TP/IPSec

Wireless Module

» Auto/manually network search
» Dual Link backup
» Traffic statistics
» SMS
» VoLTE

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