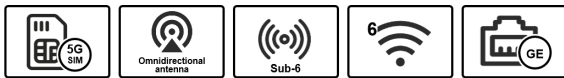


SR3000-5G-Ruggedized

Vehicle Wi-Fi6 5G CPE

SR3000-5G-Ruggedized is a highly integrated Wi-Fi6 5G CPE and it's efficiently adapted to the vehicle application. The SR3000-5G-Ruggedized adopts a cast aluminum metal shell and meets IK10 mechanical protection level. It uses Qualcomm SDX62 chips and supports 5G Sub-6G full bands, which meeting the frequency band needs of different countries and regions. It also integrates 4 gigabit Ethernet ports and supports Wi-Fi6 wireless technology, which meets wired and wireless dual network links. In addition, in the high-speed moving vehicle scenario, the device supports 5G falling to 4G to meet the stable access of the cellular network.



Main Features:

• Industrial Design, Multiple Protections

SR3000-5G-Ruggedized adopts a cast aluminum metal shell that meets IK10 mechanical protection level, effectively preventing collision damage to the device. And it's capable with 4KV lightning protection, effectively ensure the reliability of device.

• Sub-6G Full Bands, Dual Mode Networking

SR3000-5G-Ruggedized builds with Qualcomm SDX62 platform and supports Sub-6GHz full bands to meet the frequency band needs of different regions of the world. And it supports both 5G NSA/SA network modes, providing flexible options for 5G network deployment and saving users the cost of upgrading their networks.

• WiFi6 Technology, Wireless Network Coverage

SR3000-5G-Ruggedized integrates 2T2R Wi-Fi antennas, supports 160MHz bandwidth, 2.4G & 5G dual-band concurrency, and wireless specification up to AX3000, providing users with faster data transmission rate. The maximum number of access terminals up to 120+, allowing users to enjoy a more flexible and stable Internet experience.

• Vehicle Scenario, Easy to deploy

SR3000-5G-Ruggedized can be equipped with a 4-in-1 4G/5G external antenna and support GPS location and 5G fallback function in the high-speed moving vehicle scenario to achieve stable and good cellular network access. And it supports TR069 and telnet remote management configuration, efficient maintenance of equipment.



- Support 5G Nano-SIM
- Built with Qualcomm X62
- Support Sub-6GHz Full Bands
- Support NSA & SA
- Support Wi-Fi 6, AX3000
- 4 GE Ports
- 1 WPS Button
- Support 5G Fallback to 4G
- Support GPS Location
- Support Telnet, TR069, SSH
- Support VLAN
- Support PIN code Configuration
- Support APN Configuration
- Support Provision
- Support Schedule Reboot

Vehicle Installation



Hardware Features

Device Interfaces	<ul style="list-style-type: none"> > 1 × Gigabit Ethernet Port (WAN) > 3 × Gigabit Ethernet Ports (LAN) > 1 × Nano-SIM Slot > 1 × WPS Button > 1 × Reset Button
LED Indicator	> 1 (Red & Green)
Power Supply	> 12V / 2A
5G/LTE Chip	<ul style="list-style-type: none"> > RM520N-GL - Qualcomm SDX62
4G/5G Antenna	<ul style="list-style-type: none"> > 4 in1 Magnetic Suction Antenna with 3 Meter Cable - TX Power: 26±2dBm - Gain: 6dBi - Rx Sensitivity: - 85dBm (100MHz BW) - Half Power Beamwidth: > ±60° AZ & EL
Wi-Fi Antenna	<ul style="list-style-type: none"> > 2 × 2 Antennas (2.4GHz) , 2 × 2 Antennas (5GHz) - 802.11 a/n/ac/ax, 2T2R MIMO,1024-QAM@160MHz 2402Mbps, eFEM - 802.11 b/g/n/ax, 2T2R MIMO,1024-QAM@40MHz 574Mbps, eFEM
Dimensions	> 176mm × 55.8mm × 118mm (L × H × W)
Net weight	> 0.69Kg

Network Features

5G NR	<ul style="list-style-type: none"> > 3GPP Release 16 > Sub-6 GHz (NSA & SA) n1/n2/n3/n5/n7/n8/n12/n13/n14/n18/n20/n25/n26/n28/n29/n30/n38/n40/n41/n48/n66/n70/n71/n75/n76/n77/n78/n79 > Max Bandwidth: 100MHz
4G LTE	<ul style="list-style-type: none"> > Category: DL Cat 19/ UL Cat18 > FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B29/B30/B32/B66/B71 > TDD: B34/B38/B39/B40/B41/B42/B43/B46(LAA)/B48
WCDMA (3G)	> B1/B2/B4/B5/B8/B19
4G/5G Transfer Rate (Theoretical Value)	<ul style="list-style-type: none"> > NSA: <ul style="list-style-type: none"> - Downlink: Up to 2.2Gbps - Uplink: Up to 5500 Mbps > SA: <ul style="list-style-type: none"> - Downlink: Up to 2.2Gbps - Uplink: Up to 750 Mbps > LTE: <ul style="list-style-type: none"> - Downlink: Up to 1.6Gbps - Uplink: Up to 200 Mbps
Wi-Fi6	<ul style="list-style-type: none"> > 802.11b/g/n/ac/ax > 2.4GHz: 2.4G ~ 2.4835GHz > 5GHz: 5.150 ~ 5.825GHz
Wi-Fi Transfer Rate (Theoretical Value)	<ul style="list-style-type: none"> > HE20 (2.4G + 5G): Up to 574Mbps > HE40 (2.4G + 5G): Up to 1147Mbps > HE80 (5G): Up to 1201Mbps > HE160 (5G): Up to 2402Mbps
Wi-Fi Feature	<ul style="list-style-type: none"> > Max Bandwidth: 160MHz > Support multiple SSIDs > Static WEP (64/128bit) > Dynamic WEP (64/128bit) > AES (CCMP/TKIP) > WPA-PSK/WPA2-PSK > Support Country Code of Channel

Management and Application

Management	<ul style="list-style-type: none"> > WEB GUI > Firmware update > Restore factory settings & Reboot > Support HTTP/HTTPS auto-provision configuration > SNTP time sync > Telnet, SSH > TR069(TR0181) > System logs: local logs and remote logs
Protocols	<ul style="list-style-type: none"> > STUN (RFC3489) > ARP/RARP (RFC826/903) > NTP/SNTP (RFC8030) > DHCP option fields (RFC3361) > DNS/DNSRV (RFC1706/RFC2782)
Application	<ul style="list-style-type: none"> > DHCP server/client > VLAN > IP conflict detection and automatic avoidance mechanism > 5G fallback to 4G > APN configuration > PIN management > NAT/NAPT router function > MAC address clone > Support GPS location > Schedule reboot
Environment Requirement	
Operating Temperature	> 0 ~ 50°C
Storage Temperature	> -25 ~ 85°C
Relative Humidity	> 10% ~ 90% (No Condensing)
Packaging Information	
Package List	<ul style="list-style-type: none"> > 1 × Flyingvoice SR3000-5G-Ruggedized Device > 1 × Power adapter, 1 × Ethernet cable, 4 × Wi-Fi antennas, 1 × 4-in-1 5G antenna > Metal bracket > Quick Installation Guide
Certification	FCC / IC / CE / RoHS / WEEE

About Flyingvoice

Founded in 2007, Flyingvoice is a high-tech company specialising in VOIP terminal products and 5G FWA products. We have research facilities in Bangkok, Hong Kong and Shenzhen, and manufacturing facilities in Shenzhen, China and Vietnam.

Over the past decade, Flyingvoice has developed three main product lines: IP Phones, POTS Replacement and 5G FWA. Our mission is to provide customers with a one-stop solution for voice and data communications, along with a comprehensive range of POTS replacement solutions.

Flyingvoice products meet rigorous telecom-grade testing standards and are widely used in the carrier market. Flyingvoice's POTS replacement products are widely used by carriers in South Korea and North America. Flyingvoice's IP Phone products are widely used in carrier deployments in South Korea, India and China, while Flyingvoice's 5G FWA products are widely used by carriers in China and India.

At the same time, Flyingvoice is placing significant emphasis on supporting the enterprise integration market. To support its global integrator partners, we have established a comprehensive technical support system. Our network of distributors and integrator partners extends across strategic countries and regions globally.

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Flyingvoice Network Technology Co., Ltd.

Website: www.flyingvoice.com

Add: 1801-1802, Building 1, Chongwen Park, Nanshan Zhiyuan, Nanshan District, Shenzhen, China

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