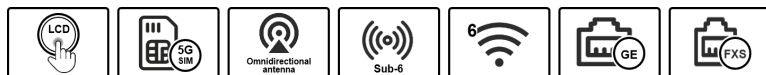# FLYINGVOICE

SR3000-5G

Wi-Fi 6 5G Wireless CPE

Flyingvoice SR3000-5G is a highly integrated 5G Wi-Fi6 CPE, equipped with 1.7" circular touch color screen, which can intuitively display network data and efficiently configure Mesh networking. It uses Qualcomm SDX62 chips and supports 5G Sub-6G full bands, which meeting the frequency band needs of different countries and regions. The SR3000-5G integrates also 4 gigabit Ethernet ports and a FXS port for different scenarios of analog line calls. It has built-in 2T2R Wi-Fi MIMO antennas and supports WiFi6 wireless technology to achieve high-speed wireless network with high bandwidth and low delay for whole house coverage.

| LCD | 5G SIM | Omnidirectional antenna | Sub-6 | 6 Wi-Fi | GE | FXS |

Main Features:

● Elegant Appearance, Efficient Touch Control

SR3000-5G adopts exquisite appearance, with 1.7-inch circular touch color LCD, providing users with intuitive visual experience. It displays time, network speed, cellular network signal status, WAN port link status and number of wireless accesses.

● Sub-6G Full Band, Dual Mode Networking

SR3000-5G 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 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 for one single router is up to 120+, allowing users to enjoy a more flexible and stable Internet experience.

● Internet Backup, Easy to deploy

SR3000-5G supports 4G/5G SIM card networking and WAN port networking, which meet Internet backup and easily adapt to your wired/wireless network environment. And it supports TR069 and other remote management configuration, efficient maintenance of equipment.

- **1.7" Circular Color Touch Screen**
- **Support 5G Nano-SIM**
- **Built with Qualcomm X62**
- **Support Sub-6GHz Full Bands**
- **Support NSA & SA**
- **Support Wi-Fi 6, AX3000**
- **Support EasyMesh Networking**
- **4 GE Ports**
- **1 FXS Port**
- **1 WPS Button**
- **Support Telnet、TR069、SSH**
- **Support 5G Fallback to 4G**
- **Support VLAN**
- **Support Provision**
- **Support Schedule Reboot**
- **Support Schedule off LCD Backlight**

Hardware Features

Display	> 1.7" 240 x 240px Circular Color Touch Screen
Device Interfaces	> 1 × Gigabit Ethernet Port (WAN) > 3 × Gigabit Ethernet Ports (LAN) > 1 × Nano-SIM Slot > 1 × FXS RJ11 Port > 1 × WPS Button > 1 × Reset Button
Power Supply	> 12V / 2A
5G/LTE Chip	> RM520N-G - Qualcomm SDX62
5G Antenna	> 4 × Full bands Omni-directional Antennas (2T4R) - TX Power: 26±2dBm - Gain: 6dBi - Rx Sensitivity: - 85dBm (100MHz BW) - Half Power Beamwidth: > ±60° AZ & EL
WiFi Antenna	> 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	> 100mm × 100mm × 162mm （L × H × W）
Net weight	> 0.62Kg

Network Features

5G NR	> 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	> 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)	> NSA: - Downlink: Up to 2.2Gbps - Uplink: Up to 5500 Mbps > SA: - Downlink: Up to 2.2Gbps - Uplink: Up to 750 Mbps > LTE: - Downlink: Up to 1.6Gbps - Uplink: Up to 200 Mbps
WiFi6	> 802.11b/g/n/ac/ax > 2.4GHz: 2.4G ~ 2.4835GHz > 5GHz: 5.150 ~ 5.825GHz
Wi-Fi Transfer Rate (Theoretical Value)	> 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	> Max Bandwidth: 160MHz > Support multiple SSID > Static WEP (64/128bit) > Dynamic WEP (64/128bit) > AES (CCMP/TKIP) > WPA-PSK/WPA2-PSK > Support Country Code of Channel > Wi-Fi network covers an area of ≥300m^2 > Wi-Fi network terminal access ≥120+
Management and Application	
Call Function	> SIP account registration and distribution > FXS port on/off hook status
Management	> WEB GUI > Firmware update > Restore factory settings & Reboot > Support FTP/TFTP/HTTP/HTTPS auto-provision configuration > SNTP time sync > Telnet, SSH > TR069(TR069, TR104) > System logs: local logs and remote logs

Protocols	> SIPV2.0 (RFC3261) > Compatible with RFC2543, Session timing (RFC4028) > SDP (RFC2327) > RTP/RTCP (RFC1889/RFC1890) > NAPTP for SIPURI check (RFC2915) > STUN (RFC3489) > ARP/RARP (RFC826/903) > NTP/SNTP (RFC8030) > DHCP option fields (RFC3361) > DNS/DNSSRV (RFC1706/RFC2782)
Application	> 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 > SIP proxy redundancy > Support fan heat dissipation > Schedule reboot > Support schedule off LCD backlight

Environment Requirement

Operating Temperature	> 0 ~ 50℃
Storage Temperature	> -25 ~ 85℃
Relative Humidity	> 10% ~ 90% (No Condensing)

Packaging Information

Package List	> 1 × Flyingvoice SR3000-5G Router > 1 × Power adapter, 1 × Ethernet cable， 1 × RJ11 Phone Cable > Quick Installation Guide
Box information	> Qty/CTN: 10 Pcs > N.W/CTN: 1.26 Kg > G.W/CTN: 12.75Kg > Gift Box Size: 181 × 173 × 109mm （L × W × H） > Carton Size: 565 × 372 × 185mm （L × W × H）

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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Technical Support

Visit www.flyingvoice.com for product documents and FAQ, or contact Flyingvoice by email at support@flyingvoice.com. We'll get you the help you need.

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