SUNCOMM

6G

O8 Pro
5G WiFi 6 Router

Overview

5G & WiFi-6 Smart Router System (CPE), is based on brand-new embed platform, it can be satisfied with growing-up mobileconnections requirements and provides the fast speed beyond your imagination.

The CPE is compatible with NSA/SA dual-mode, suits to all network types all over the world, it means you just plug and play it andenjoy the ultra-fast broadband connection at any places.

The CPE brings the new way to enable you experience VR/AR/4K/8K streaming freely and easily. With 802.11ax (Wi-Fi 6) technologybuilt-in, the single CPE has wider wireless coverage and more bandwidth.

Features

5G Snapdragon 骁龙 Qualcomm™SDX62 Modem	AX3000 WiFi 6 Support 2.4G/5.8G
SIM Dual nano SIM card slot	WAN/LAN 1*2500Mbps LAN 2*1000Mbps

Appearance

Application scenarios

SOHO Network

Live Broadcast

Home Network

Home Game
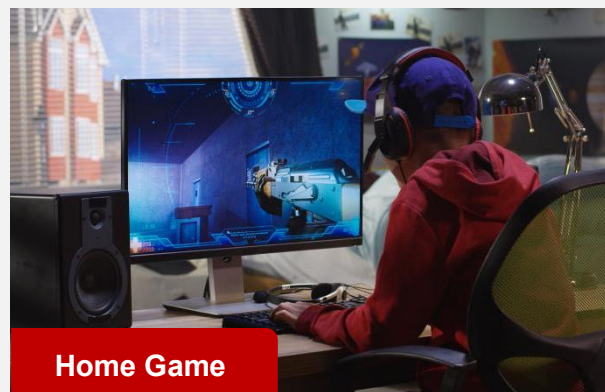
Technical Specifications

Model	O8 Pro
5G Module	RM520N-GL
Ethernet	1* WAN/LAN 1000Mbps 2* LAN 1000Mbps 2* Nano SIM card slots
5G NR	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 LTE-FDD: B1/ B2/ B3/ B4/ B5/ B7/ B8/ B12/ B13/ B14/ B17/ B18/ B19/ B20/ B25/ B26/ B28/ B29/ B30/ B32/ B66/ B71 LTE-TDD: B34/ B38/ B39/ B40/ B41/ B42/ B43/ B48 LTE-LAA: B46 WCDMA: B1/ B2/ B4/ B5/ B8/ B19

Data Rate		
	5G SA Sub-6	DL 2.4 Gbps; UL 900 Mbps
	5G NSA Sub-6	DL 3.4 Gbps; UL 550 Mbps
	LTE	DL 1.6 Gbps; UL 200 Mbps
	WCDMA	DL 42 Mbps; UL 5.76 Mbps

CPU	MT7981BA+MT7976CN+MT7531AE (Dual-core A53 1.3GHz)
WiFi 6	2.4GHz 2TR :600Mbps , 5GHz 2T2R :2402Mbps
Storage	512MB DDR3 + 128MB SPI NAND FLASH
WiFi Standard	IEEE 802.11b、g、a、n、ac、ax，IEEE 802.3、u、x
Working mode	Router / Bridge
Wireless security	Wireless MAC address filtering 64/128 bit WEP encryption WPA-PSK、WPA2-PSK、WPA3-SAE、WPA/WPA2-PSK 、WPA2-PSK/WPA3-SAE WPS（PBC）
Other features	Wireless host status display Wireless site scanning Seamless roaming between nodes Seamless roaming between bands
WiFi settings	WiFi basic settings (dual-band integration, switch, wireless mode, SSID, PWD, encryption algorithm, channel, bandwidth, power adjustment). Advanced settings (wireless client isolation, 802.11h, WMM multimedia acceleration). Multiple SSIDs (SSIDs, encryption methods, PWDs, and encryption algorithms)
Button	Mesh (press 1 second). Reset (press and hold for 5 seconds).
LED Indicator	5G, 4G, WIFI signal indicator, power indicator
Power supply	DC 12V/2A
Network settings	Data Switch, Roaming Switch, Mode Selection, Default APN Information, and APN Manual Configuration FAILOVER switches: PPPOE, DHCP, and static 4G/5G band locking
WiFi settings	WiFi name and password, wifi timing, channel bandwidth setting, power regulation, bridging function, OFDMA, Mesh
SMS feature	SMS sending and receiving, SMS center settings, USSD
Guest network	Configure the SSID, rate limit, and startup time limit of the guest network

Parental controls	Online device display, online time, restricted Internet time period, URL filtering configuration
Advanced settings	Working Mode, SIM PIN, Mobile Data Switch, Bandwidth Control, Sleep Mode, LED Control, Filter MAC Address, Firewall, Static Routing, DDNS, Virtual Server, DMZ Host, UPnP, TR069 Settings, VPN(L2TP/PPTP/Wireguard/GRE/IPsec/OpenVpn),IMEI Modify,Zerotier,Smart QoS,Firewall, Domain ACL,UPnP,Remote web
System settings	System Status, Time Setting, Password Management, Configuration Management, Firmware Upgrade, Scheduled Restart, System Log, LAN Setting, DHCP Binding, Reboot & Reset, Remote Management
Use environment	Operating temperature: -20°C to 50°C Storage temperature: -40°C to 70°C Operating humidity: 10% to 90% RH non-condensing Storage humidity: 5% to 95% RH non-condensing

Packaging accessories

- One (1) 5G CPE Router (O8 Pro)

- One(1) 1m Cat6 Ethernet cable

- One(1) Power Adapter

- Quick Start Guide