

5G CPE Router

O8 Ultra

5G Wireless Data Terminal



Overview

5G-A & WiFi-6 Smart Router System (CPE), is based on brand-new embed platform, it can be satisfied with growing-up mobile connections 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 and enjoy 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) technology built-in, the single CPE has wider wireless coverage and more bandwidth. Meanwhile the CPE brings higher security and better network efficiency.

Features

5G NR Qualcomm™SDX75
Modem
Support 300M bandwidth

WiFi6 AX3000



Gigabit Port
High-speed interface

MESH Support Mesh Networking

Application scenarios



Home office



Meeting



Shopping



Game

Technical Specifications

Model	O8 Ultra
5G Module	RM551E-GL
CPU	MT7981BA+MT7976CN+MT7531AE (Dual-core A53 1.3GHz)
WiFi Frequency	2.4G / 5G Downlink Cat 19/ Uplink Cat 18
Storage	512MB DDR3 + 128MB SPI NAND FLASH
WiFi Standard	IEEE 802.11b、g、a、n、ac、ax IEEE 802.3、u、x
WiFi	2.4GHz 2TR :600Mbps , 5GHz 2T2R :2402Mbps
5G NR	3GPP Release 16 NSA/SA operation, Sub-6 GHz
5G Network Mode	NSA / SA
5G/4G Data Rate	5G SA Transmission Speed:2.1Gbps/900Mbps (up to ISPs) 5G NSA Transmission Speed:2.5Gbps/650Mbps (up to ISPs) LTE : Down 1.0 Gbps; UP 200 Mbps
5G Frequency Bands	5G NR NSA / SA Sub-6 n1/2/3/5/7/8/12/13/14/18/20/25/26/29/30/34/38/39/40/41/46/53/66/67/68/70/71/75/76/77/ 78/79/90/91/92/93/94 mmWave n257/258/260/261 LTE FDD B1/2/3/4/5/7/8/12/13/14/17/18/19/20/25/26/28/29/30/32/66/70/71/75/76 LTE TDD B34/38/39/40/41/48/46/53 WCDMA B1/2/3/4/5/6/8/9/19
Working mode	AP / Router / Repeater
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
Interface	1 x 10/100M/1000M/2500M WAN port, support Auto MDI/MDIX 2 x 10/100M/1000M LAN ports, support Auto MDI/MDIX 2 Nano SIM card slots, 1 eSIM card (customized)
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
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
eSIM	Optional
SIM Card	Dual sim