SUNCOMM

5G CPE

S2

5G Wireless Data Terminal

Overview

5G & 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, better network efficiency and longer battery life.

Features

5G NR Qualcomm™SDX62 modem

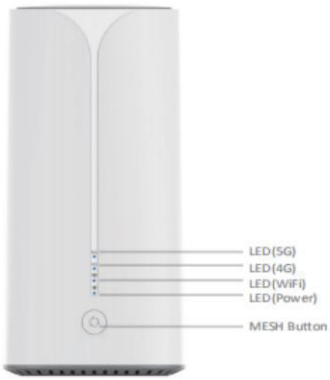
WiFi6 AX1800
Support 160M bandwidth

1G Port
High-speed interface

MESH Support MESH networking

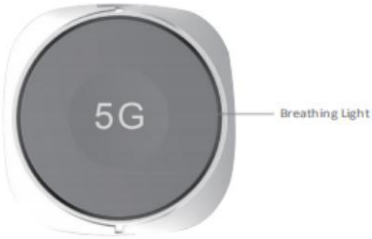
Appearance

Interface overview

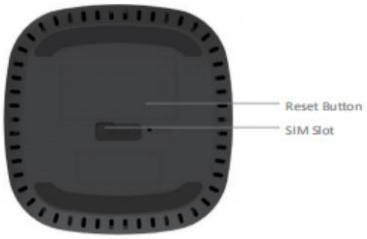


Front View

Rear View

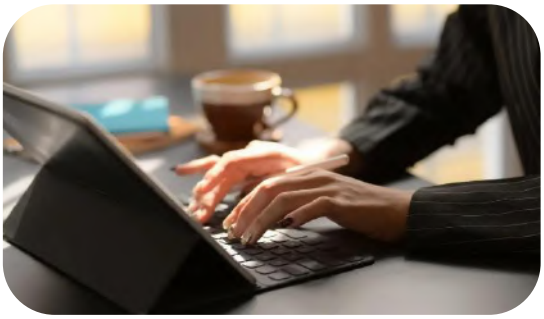


Top View



Bottom View

Application scenarios



mobile office

Meeting

shopping

game

Technical Specifications

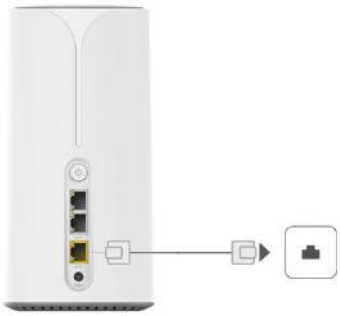
Model	S2
CPU	SDX62
WiFi Frequency	2.4G&5G
WiFi Standard	2.4G:802.11b/g/n /ax 2T2R MIMO, 5.8GHz：802.11a/n/ac/ax 2T2R MIMO
WiFi	2.4GHz :600Mbps ,5GHz :1200Mbps
5G NR	**3GPP Release 16 NSA/SA operation, Sub-6 GHz**
5G Network Mode	NSA/SA
5G/4G Data Rate	5G SA Transmission Speed:2.1Gbps/900Mbps (up to ISPs) 5G NSA Transmission Speed:2.5Gbps/650Mbps (up to ISPs) LTE： Down 1.0 Gbps；UP 200 Mbps
5G Frequency Bands	**NA(North American version):** **5G NR NSA** n2/n3/n5/n7/n8/n12/n20/n25/n28/n38/n40/n41/n48*/n66/n71/n77/n78/n79 **5G NR SA** n2/n3/n5/n7/n8/n12/n20/n25/n28/n38/n40/n41/n48*/n66/n71/n77/n78/n79 **MIMO** Downlink：4 × 4 MIMO on n1/n2/n3/n7/n25/n38/n40/n41/n48/n66/n77/n78/n79 **EU(European version):** **5G NR NSA** n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/n75*/n76*/ n77/n78 **5G NR SA** n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/n75/n76/ n77/n78 **MIMO** DL: 4 × 4 MIMO on n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/n75*/n76*/n77/n78
4G&3G Frequency Bands	**NA(North American version):** **Downlink Cat 19/ Uplink Cat 18** **LTE-FDD** B1/ B2/B 3/ B4/ B5/B 7/ B8/B 12/B 13/B 14/ B17/ B18/B19/B20/ B25/ B26/ B28/ B29/ B30/ B66/ B71 **LTE-TDD** B34/B38/B39/B40/B41/B42/B43/B48 **MIMO** DL: 4 × 4 MIMO on B2/B4/B5/B12/B13/B14/B17/B25/B26/ B29/B30/B66/B41/B42/B43/B48/B71 **WCDMA** B1/B2/B4/B5/B6/B8/B19

	EU(European version): **Downlink Cat 19/ Uplink Cat 18** **LTE-FDD** B1/B3/B5/B7/B8/B20/B28 **LTE-TDD** B38/B40/B41/B42/B43 **MIMO** DL: 4 × 4 MIMO on B1/B3/B5/B7/B8/B20/B28/B32/B38/B40/B41/B42/B43 **WCDMA** B1/B5/B8
Modulation Mode	**5G:** GMSK/8PSK/BPSK/QPSK/16QAM/64QAM/256QAM **WIFI:** 1024-QAM / OFDMA
Dimension	108X108X216MM
Interface	2*10/100M/1000 LAN 1*10/100M/1000 WAN 1*RJ11 1*12V 2A DC Power Input 1 Reset Button 1 SIM card slot**(**4FF SIM card Support SIM/USIM/UIM, standard 6 PIN SIM card interface, support 3V SIM card and 1.8V SIM card: internal**)** 1 Breathing Light Button 1 MESH Networking Button
Network Extension	MESH
Reset	Reset（Long press 10 seconds to restore the factory settings）
MESH	Networking: short press (blue networking light flashes)
LED Indicator	Power, Breathing Light, 4G Signal, 5G Signal, WiFi Signal
Power Consumption	＜24W
Environment	Operating Temperature：-20℃～+50℃ Storage Temperature:-40℃～+70℃ Humidity：5%～95%（Non condensation）
Weight	1.35KG（Includes color box accessories）

Network Connection Diagram

1、Accessing the Internet through a Mobile Network (5G/LTE)

2、Accessing the Internet through an Ethernet Network



What's in the package?

- **One (1) 5G CPE Router (S2)**
- **One (1) 1m Cat6 Ethernet cable**
- **One (1) Power Adapter**
- **Quick Start Guide**

*: under development / in progress.

Maximum wireless signal range derived from IEEE standard 802.11 specifications. Actual data throughput and data over distance will vary. Network conditions and environmental factors, including volume of network traffic, building material and construction, and network overhead, result in lower actual data throughput rate and wireless coverage.