

SUNCOMM

5G CPE ROUTER

SDX72

Wireless and Borderless Connection



Overview

SDX72 is a wireless gateway integrating NR/LTE and high-speed Ethernet uplink access, providing users with flexible data access and voice services.

SDX72 is a multi-user 5G wireless gateway suitable for home or small office environment. It supports multiple users at the same time, including digital cameras, laptops, games and multimedia players, all Wi-Fi-enabled devices can access the Internet. 5G CPE can be used to set up specific networks and share network connections anywhere via cellular connections or Ethernet connection.

SDX72 adopts Qualcomm SDX72 platform, supports 3GPP Release 17, terminal downlink up to 4Gbps, and uplink up to 0.9Gbps. Support the newest Qualcomm WiFi7 solution, the Wi-Fi feature can support 2.4G and 5.8 DBDC up to 6.4Gbps, and also support Easy mesh R4 function, can build a network connect with other Wi-Fi router

Features



5G LTE

3GPP Release 17
4Gbps/0.9Gbps



Wi-Fi 7

802.11
a/b/g/n/ac/ax/be,
DBDC
3.6G~10.1Gbps
Easy mesh R4



Ethernet

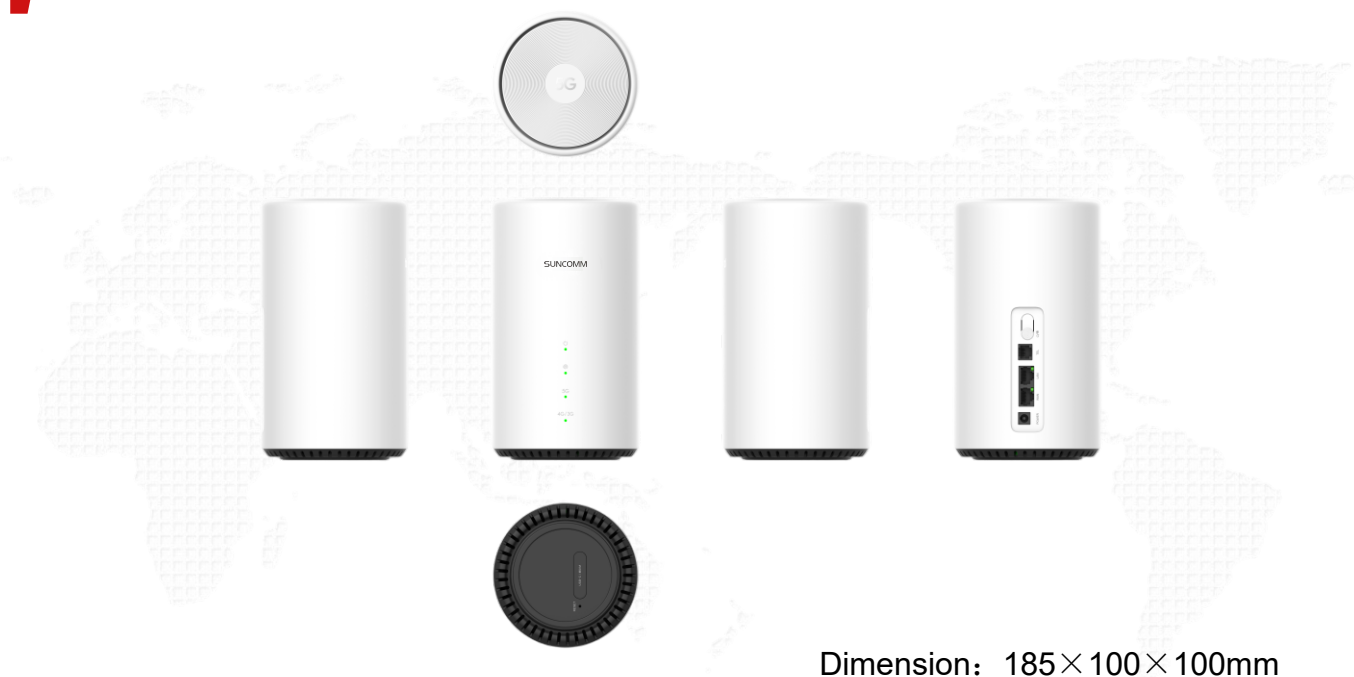
10BaseT/100Base/
1000Base automatic
adaptive port
2.5Gbps Port for
high speed user



RJ11

Connect to the
telephone

Appearance |



Dimension: 185×100×100mm

Application Scenarios |



Office



Home entertainment



Video Call



Conference

Specification

Technical Standard

Compatible with LTE, Sub6, 802.11 a/b/g/n/ac/ax/be

Frequency (EA)

EA version:

[5G NR]: n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/n71/n75/n76/n77/n78/n79

[LTE]: B1/B3/B5/B7/B8/B20/B28/B32/B38/B40/B41/B42/B43/B71

[UMTS]:B1/B3/5/8

Frequency (SA)

SA version:

[5G NR]: n2/n5/n7/n8/n12/n13/n28/n38/n40/n41/n66/n77/n78

[LTE]:B2/B4/B5/B7/B8/B12/B13/B28/B38/B40/B41/B42/B43/B66

[UMTS]:B2/B4/B5/B8

Frequency (NA)

NA version:

[5G NR]: n2/n5/n12/n13/n14/n25/n26/n29/n30/n41/n48/n66/n71/n77/n78

[LTE]:B2/B4/B5/B12/B13/B14/B25/B26/B29/B30/B41/B42/B43/B48/B66/B71

[UMTS]:B1/B2/B4/B5/B8

WIFI

WiFi7

2.4GHz&5GHz, WIFI 2*2 MIMO, 802.11 a/b/g/n/ac/ax/be, DBDC be3600

2.4GHz&5GHz, WIFI 2*2 MIMO, 802.11 a/b/g/n/ac/ax/be, DBDC be5000

2.4GHz&5GHz, WIFI 4*4 MIMO, 802.11 a/b/g/n/ac/ax/be, DBDC be7200(optional)

2.4GHz&5GHz&6GHz, WIFI 4*4 MIMO, 802.11 a/b/g/n/ac/ax/be, DBDC be11000(optional)

Easy mesh R4 is supported

Maximum Data Throughput

5G SA NSA mode

- 5G NR: (DL/UL) 4Gbps/900Mbps

- LTE: (DL/UL) 1.6Gbps/200Mbps

Receive Diversity

Support Receive Diversity

MIMO

DL 4x4 MIMO

Chipset

Qualcomm SDX72

Memory

Modem: 16GB emmc+8Gb LPDDR4

Power Consumption

<24W

Power Voltage

DC12V/2A

USIM/SIM

4FF SIM card

support SIM/USIM/UIM, standard 6 PIN SIM card interface,

support 3V SIM card and 1.8V SIM card; internal push-pull SIM slot

LED

Power Indication; Wi-Fi Indication; 5G Indication LED; 4G Indication LED

USB

USB 2.0

Antenna

LTE/NR Antenna*6, Wi-Fi*2, N41/77/78/79 8dBi High Gain, Smart antenna selection, 2*TS-9 external antenna is optional (support band n38/n40/n41/n77/n78), WIFI 4 antenna is optional

Buttons

POWER, Reset, WPS (easy mesh)

Ethernet

1*WAN+1*LAN

- 2*1000Base automatic adaptive port (default)

- 1*2.5Gbps + 1*1Gbps port (optional)

VOICE

- 1*RJ11, support VOIP/VOLTE/VONR (optional)

Reset

Pinhole

NFC

Supported NFC to connect Wi-Fi

Battery

3000mah inset battery is optional

ESD

ESD Protection circuit; Contact±8KV, Air±10KV

HTTP

Support

Operating Temperature

Normal: 0°C ~ +45°C;