

SUNCOMM

5G CPE ROUTER

SDX65

Wireless and Borderless Connection



Overview

SDX65 is a wireless gateway integrating NR/LTE and high-speed Ethernet uplink access, providing users with flexible data access and voice services.

SDX65 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.

SDX65 adopts Qualcomm SDX65 platform, supports 3GPP Release 16, terminal downlink up to 4.9Gbps, and uplink up to 0.9Gbps. Support Qualcomm WiFi6 2.4G and 5.8 DBDC up to 3Gbps

Features



5G LTE

4.9Gbps/0.9Gbps



Wi-Fi 6

802.11 a/b/g/n/ac/ax,
DBDC
Up to 3Gbps



Ethernet

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



RJ11

Connect to the
telephone

Appearance



Dimension: 217.5× 112× 112mm

Application Scenarios



Office



Home entertainment



Video Call



Conference



Specification

Technical Standard

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

Frequency (EA)

EA version: 5G: n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/n75/n77/n78

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

UMTS: B1/B5/B8

Frequency (SA)

SA version: 5G: n2/n5/n7/n8/n12/n13/n28/n66/n38/n40/n41/n77/n78

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

UMTS:B2/B4/B5/B8

Frequency (NA)

NA version: 5G: 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

2.4GHz&5.8GHz, WIFI 2*2 MIMO, 802.11 a/b/g/n/ac/ax, DBDC AX3000

Maximum Data Throughput

5G SA NSA mode

- 5G NR: (DL/UL) 4.9Gbps/900Mbps
- LTE: (DL/UL) 1.6Gbps/200Mbps

Receive Diversity

Support Receive Diversity

MIMO

DL 4x4 MIMO

Chipset

Qualcomm SDX65+WCN6856

Memory

Modem: 8+8Gbit

Power Consumption

<18W

Power Voltage

DC12V/1.5A

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*8, Wi-Fi*2, N41/77/78/79 11dBi High Gain, Smart antenna selection, 2*TS-9 external antenna is optional (support band n38/n40/n41/n77/n78)

Buttons

POWER, Reset, WPS

Ethernet

1*WAN+1*LAN

- 2*1000Base automatic adaptive port (default)
- 1*2.5Gbps + 1*1Gbps port (optional)
- 1*RJ11, support VOIP/VOLTE/VONR(optional)

VOICE

Reset

Pinhole

ESD

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

HTTP

Support

Operating Temperature

Normal: 0°C ~ +45°C;

Storage Temperature

-20° C ~ +70° C

Humidity

5%~ 95%