

## 5G CPE ROUTER

# SDX75

Wireless and Borderless Connection



## Overview

SDX75 is a wireless gateway integrating NR/LTE and high-speed Ethernet uplink access, providing users with flexible data access and voice services.

SDX75 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.

SDX75 adopts Qualcomm SDX75 platform, supports 3GPP Release 17, terminal downlink up to 6Gbps, 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  
6Gbps/0.9Gbps



### Wi-Fi 7

802.11  
a/b/g/n/ac/ax/be,  
DBDC  
7.2Gbps  
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

### 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

### 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

### 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

2.4GHz&5GHz, WIFI 4\*4 MIMO, 802.11 a/b/g/n/ac/ax/be, DBDC be7200, user 256

2.4GHz&5GHz&6GHz, WIFI 4\*4 MIMO, 802.11 a/b/g/n/ac/ax/be, DBDC be11000(optional), user 256  
Easy mesh R4 is supported

## Maximum Data Throughput

- 5G SA NSA mode
- 5G NR: (DL/UL) 6Gbps/900Mbps
- LTE: (DL/UL) 1.6Gbps/200Mbps

## Receive Diversity

Support Receive Diversity

## MIMO

DL 4x4 MIMO

## Chipset

Qualcomm SDX75

## 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

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

## Antenna

POWER, Reset, WPS (easy mesh )

## Buttons

1\*WAN+1\*LAN

• 2\*1000Base automatic adaptive port (default)

• 1\*2.5Gbps + 1\*1Gbps port (optional)

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

## Ethernet

Pinhole

## VOICE

Supported NFC to connect Wi-Fi

## Reset

Not support, can choose UPS power

## NFC

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

## Battery

Support

## ESD

Normal: 0°C ~ +45°C;

## HTTP

-20° C ~ +70° C

## Operating Temperature

5%~ 95%

## Storage Temperature

## Humidity