SUNCOMM

5G CPE

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	Wi-Fi 7	Ethernet	RJ11
3GPP Release 17 6Gbps/0.9Gbps	802.11 a/b/g/n/ac/ax/be, DBDC 7.2Gbps Easy mesh R4	10BaseT/100Base/ 1000Base automatic adaptive port 2.5Gbps Port for high speed user	Connect to the telephone

Appearance

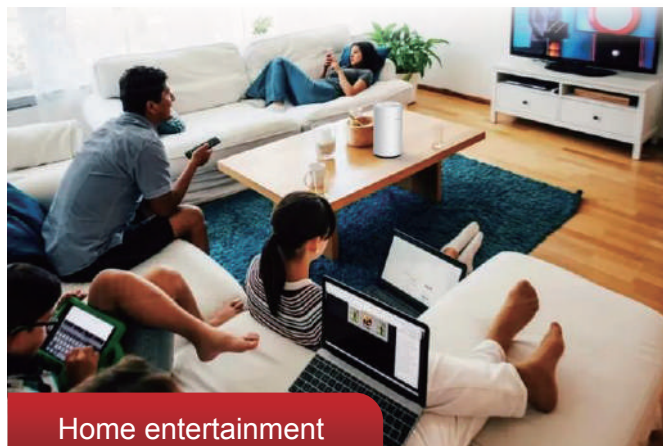Dimension：185×100×100mm

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 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
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	Not support，can choose UPS power
ESD	ESD Protection circuit; Contact±8KV, Air±10KV
HTTP	Support
Operating Temperature	Normal: 0°C ~ +45°C;
Storage Temperature	-20° C ~ +70° C
Humidity	5%~ 95%