SUNCOMM

5G CPE

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	Wi-Fi 6	Ethernet	RJ11
4.9Gbps/0.9Gbps	802.11 a/b/g/n/ac/ax, DBDC Up to 3Gbps	10BaseT/100Base/ 1000Base automatic adaptive port 2.5Gbps Port for high speed user	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）
VOICE	• 1*RJ11，support VOIP/VOLTE/VONR(optional)
Reset	Pinhole
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%