

MaxComm Smart 5G CPE

WR-141

Wireless and Borderless Connection



Overview

MaxComm Smart WR-141 is a wireless gateway integrating NR/LTE and high-speed Ethernet uplink access, providing users with flexible data access and voice services.

WR-141 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.

WR-141 adopts Qualcomm SDX62 platform, supports 3GPP Release 16, terminal downlink up to 3Gbps, and uplink up to 0.9Gbps. Support Qualcomm WiFi6 2.4G and 5.8 DBDC up to 3.6Gbps

Features



5G LTE

3Gbps/0.9Gbps



Wi-Fi 6

802.11 a/b/g/n/ac/ax,
DBDC
Up to 3.6Gbps



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 |



Specification

Technical Standard

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

Frequency (EA)

5G SA/NSA: N1/3/5/7/8/20/28/38/40/41/77/78/79
 LTE FDD: B1/3/5/B7/8/18/19/20/26/28/32
 LTE TDD: B38/39/40/41/42/43

Frequency (NA)

5G SA/NSA: N2(25)/5/12/13/28/30/38/41/48/66/71/77/78
 LTE FDD: B2/4/5/12/13/17/25/26/28/30/66/71
 LTE TDD: B38/41/B42/B43/B48

WIFI

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

Maximum Data Throughput

5G SA NSA mode
 • 5G NR: (DL/UL) 2.4Gbps/900Mbps
 • LTE: (DL/UL) 1.6Gbps/200Mbps

Receive Diversity

Support Receive Diversity

MIMO

DL 4x4 MIMO

Chipset

Qualcomm SDX62+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

Internal Antenna*11

Buttons

POWER, Reset, WPS

Slic

SI32185

Ethernet

1*WAN+1*LAN
 • 2*1000Base automatic adaptive port (default)
 • 1*2.5Gbps + 1*1Gbps port (optional)

RJ11

1*RJ11

Reset

Pinhole

ESD

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

HTTP

Support

Operating Temperature

Normal: 0°C ~ +40°C;

Storage Temperature

-20° C ~ +70° C

Humidity

5%~ 95%