



LCR202

5G Outdoor CPE

Sub-6GHZ

3GPP Release 15

LCR202 is a 5G Sub-6GHz and LTE outdoor multi-service product solution specifically designed to meet integrated data requirements for residential, business and enterprise users. The product supports advanced Gigabit networking functionalities. It enables wide service coverage and provides high data throughput and networking features to customers who needs easy broadband access.

➤ Key Features

Worldwide 5G and LTE-A coverage

3GPP Release 15

Supports SA and NSA

Built-in high gain wide bandwidth antennas

Advanced MIMO, AMC, OFDM support

Built-in VPN and L2/L3 GRE client support

IPv4 & IPv6 and Multiple PDN support

Supports DMZ

Supports NAT, Bridge and Router operation mode

Standard TR-069 Management

➤ Specifications

Cellular Specifications

Category

3GPP Release 15

Frequency Bands, CA and MIMO

Variant for Europe/Asia

5G NR: n41/n77/n78/n79/n1/n3/n5/n7/n8/n20/n28/n38/n40

LTE-FDD: B1/B3/B5/B7/B8/B18/B19/B20/B26/B28/B32

LTE-TDD: B34/B38/39/B40/B41/B42

WCDMA: B1/B3/B5/B6/B8/B19

Variant for North America

5G NR: n2/n5/n7/n12/n25/n41/n48/n66/n71/n77/n78

LTE-FDD: B2/B4/B5/B7/B12/B13/B14/B17/B25/B26/B29/B30/B66/B71

LTE-TDD: B41/B48

LAA: B46

WCDMA: B2/B4/B5

Tx / Rx

2Tx/8Rx

LTE Transmit Power

Class 3 (23dBm±2dB)

Peak throughput

5G SA Sub-6GHz: Max 2.1Gbps (DL)/Max 900Mbps (UL)

5G NSA Sub-6GHz: Max 2.5Gbps (DL)/Max 650Mbps (UL)

LTE: Max 1.0Gbps (DL)/Max 200Mbps (UL)

WCDMA: Max 42Mbps (DL)/Max 5.76Mbps (UL)

Cellular Antenna

8 Built-in high gain directional antennas

Hardware Specifications

Chipset

Qualcomm SDX55

Interface

1*Gigabit RJ45 LAN Ports with PoE

10/100/1000M/2.5G auto-sensing, auto-MDI/MDIX

LED Indicator

8 LED Indicators (RUN, SIM, ETH, SYS, RF Signal*4)

SIM

1 2FF USIM/SIM slot(1.8V/3V)

Button

Tact switch with Reset/Reboot button

Dimensions

288mm x 288mm x 88mm

Weight

<2000g

Power Consumption

<15W

Power Supply

AC 100~240V DC 48V 0.5A

Temperature and humidity

Operating: -30°C~ 55°C

Storage: -40°C ~ 85°C

Humidity: 5% ~ 95%

Software Specifications

WAN

Multi-APN support, maximum four	IP pass through
Multi-PDN	IPv4/v6 dual stack

LAN

DHCP Server, Client	Multicast/Multicast Proxy
DNS Relay and DNS proxy	MAC Address Filtering
DMZ	

Device Management

TR069	Software upgrade via WEB / FTP
SNMP v1, v2, v3	server / TR069 / FOTA
Web UI	USIM PIN authentication

Routing Mode

Route Mode	Port Mirror and port forwarding ARP
Bridge Mode	IPv4, IPv6 and IPV4/IPV6 Dual Stack
NAT mode Static Route	

VPN

IPsec	L2TPv2 and L2TPv3
PPTP	GRE Tunnel

Security

Firewall	Access Control
MAC Address Filtering	HTTPS Login from WAN
IP Address Filtering	Dos attack protection
URL Filtering	Three level of user authority

Reliability

Watchdog for automatic recovery

Auto rollback to previous version when upgrade fail

➤ Appendix- Delivers

1*Assembled product

1*CAT6 Ethernet Cable, 1M

1*48V/0.5A

1*PoE Switch

1*Mounting Accessories

1*Quick User Guide