

# **MaxComm**



## OWR-206 5G Outdoor CPE

Sub6G – SA/NSA  
3GPP Release15

OWR-206 is a highly advanced Sub-6G 5G NR Outdoor multi-service product solution specifically designed to meet integrated data needs 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

- 5G NR and LTE-A Cat19 Dual mode
- Support both NSA and SA modes
- Support 5G 2CC CA
- Worldwide Sub-6 5G and LTE-A coverage
- Built-in high gain wide bandwidth antennas
- Support 1x Gigabit LAN ports
- Powerful software features, support NAT, Bridge and Route mode
- IPv4&IPv6 and Multiple PDN support
- Built-in VPN and L2/L3 GRE client support
- WEB, TR069 and SNMP based device management

## Hardware Specifications

Spec	Description
Chipset	5G/LTE: MediaTek T750, 4 core ARM Cortex-A55 CPU @2GHz
RF standard	5G NR (3GPP Release 15) TDD-LTE/FDD-LTE WCDMA
Memory	ROM: 8Gb(Max) Nand
	RAM: 8Gb(Max) DDR3
Indictors	1. Run 2. SIM 3. ETH 4. SYS 5. RF Signal*4
Buttons	Reset Button
Interfaces	1. 1x GE RJ45 Port 2. 1x SIM Slot (2FF) 3. 1x eSIM (Option) 4. miniUSB for Manufacture
Power Supply	AC100V~240V,50Hz~60Hz DC 24V 1.5A DC Passive POE
Power Consumption	< 24W
Dimensions	280(H)×165(W)×56(T)mm
Net Weight	700 g

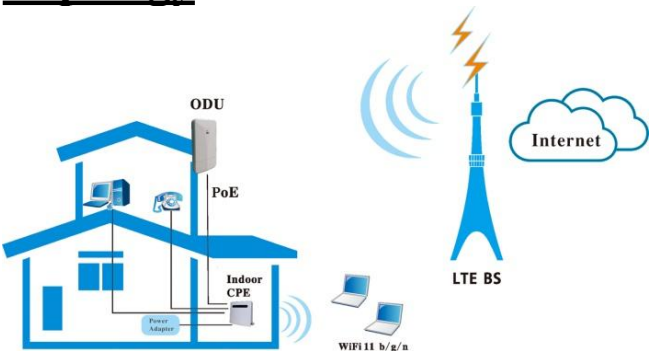
## Environment Specifications

Feature	Capability
Operating Temperature	-30°C~55°C
Storage Temperature	-40°C~85°C
Operating humidity	95% Maxton-condensing
Storage humidity	95% Maxton-condensing

## RF Specifications

Feature	Capability
Support Bands	5G NR: n1/n3/n5/n7/n8/n20/n28/n38/n40/ n41/n77/n78 (EA) n2/n5/n7/n12/n25/n41/n48/n66/n 71/n77/n78 (NA)
	LTE FDD: B1/B3/B5/B7/B8/B20/B28/B32 (EA) B2/B4/B5/B7/B12/B13/B14/B25/B 26/B29/B30/B66/B71 (NA)
	LTE TDD: B38/B40/B41/B42/B43 (EA) B41/B42/B43/B48 (NA)
	WCDMA: B1/ B5/ B8
Carrier Aggregation	Supports 5G 2CC CA
NR-Sub6 Modulation	200MHz 2 DLCA, 256 QAM 200MHz 2 ULCA, 256 QAM 15KHz/30KHz SCS for FDD/TDD
LTE Modulation	100MHz 5 DLCA, 256 QAM 40MHz 2 ULCA, 256 QAM
MIMO	<b>5G DL 4 × 4 MIMO:</b> n1/n3/n7/n38/n40/n41/n77/n78 (EA) n2/n7/n25/n41/n48/n66/n71/n77/ n78(NA) <b>5G UL 2 × 2MIMO</b> n41/n77/n78(EA) n41/n48/n77(NA) <b>LTE DL 4 × 4MIMO</b> B1/B3/B7/B38/B40/B41/B42/B43
5G/4G TX/RX	1T2R/1T4R/2T4R
Output Power@25°C	5G NR: 23±1.5dBm * N41/77/78/79: 26±1.5dBm LTE: 23±1.5dBm
5G/4G Antenna	8 Built-in 5G&4G antennas
5G/4G Antenna Gain	8 dBi
Peak Throughput	<b>5G SA Sub-6 GHz</b> 4.67 Gbps (DL)/ 2.5 Gbps (UL) <b>5G NSA Sub-6 GHz</b> 3.74 Gbps (DL)/ 1.46 Gbps (UL) <b>LTE 1.6 Gbps (DL)/ 211 Mbps (UL)</b>

## Topology



## Overview

Item	Description
Language	English, Simple Chinese.
Status indicator	SIM Card Status, Data transmission, Signal Strength, Language
Internet Status	Internet Status, Operator, Network Mode, Cell ID, RSRP, RSRQ
WAN Info	Connect Mode, IP Address, Subnet Mask, DNS Server
LAN Info	IP Address, Subnet Mask, MAC Address
Rate Info	DL/UL Data Rate, Online Time
Device & SIM Info	Product Model, IMEI, Software Version, UICCID, IMSI

## STATISTICS

Item	Description
Statistics	CPU Usage, Memory Usage, APN List, Bandwidth Statistics, Throughput Statistics
Device List	

## Update

Item	Description
Version Manager	Version Information, Local Upgrade
Auto Upgrade	FOTA Upgrading

## Network Settings

Item	Description
Device Information	System Information, Version Information, LAN Status
WAN Settings	Network Mode: NAT, Bridge, Router
NR/LTE Settings	Connect Method, Roaming Switch, LTE/NR Network Status
Scan Mode	Full Band, Band Lock, Earfcn Lock, PCI Lock
APN Management	APN Settings, APN List
LAN Settings	LAN Host Settings, DHCP Settings
Firewall	MAC Filtering, IP Filtering, URL Filtering, Port Forwarding, Port Triggering, Access Restriction, UPnP, DoS
VPN	PPTP, L2TP, L2TPv3, GRE
IPv6	IPv4v6 Dual Stack supported
SMS	
Other Functions	DMZ, SIM lock, PIN management, DDNS

## Device Management

Spec	Description
Maintenance	Scheduled Reboot, Reboot, Reset
TR069	Support HTTP/HTTPS url, Support remote upgrade, Support cycle monitor, Support TR143 for remote test, Support STUN for Nat pass through
SNMP (option)	Support SNMP v2/v3
NTP	Auto, Manual, DST
Diagnostics	Ping, Traceroute, Iperf
Syslog	8 levels for debugging
WEB Settings	Manage the web access settings
Account	Account management