CODIUM
NETWORKS

To Create Better, Faster And Safer Wireless Life
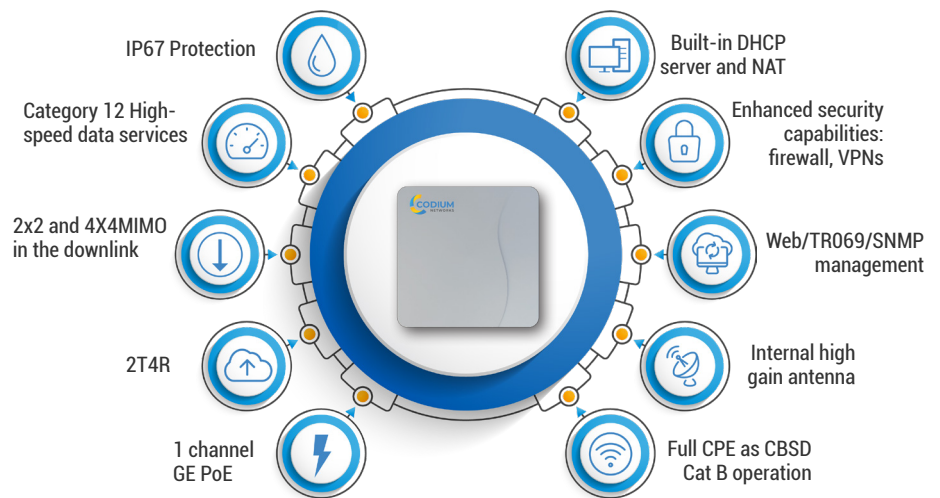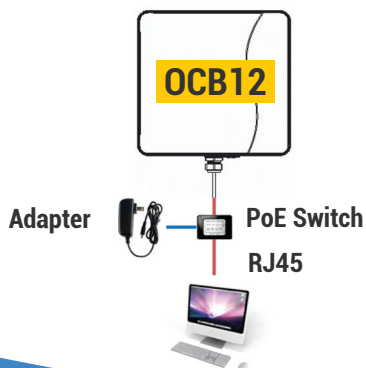
OCB12

LTE Outdoor CPE

- 3GPP Release 10/11
- CAT12
- ALL LTE Bands
- PoE
- IP67

OCB12 is the best-of-class Cat12 LTE outdoor UE (CPE) that outperforms all competing products. OCB12 supports advanced Gigabit networking functionalities with uniquely powerful gain to thus maximize reach and capacity. This product architecture has been supplied to some of the world's largest carriers and resold to 2 of the top 5 LTE infrastructure vendors globally. Such scale of production enables the lowest pricing in the market combined with the highest performing, robust spec. Too good to be true? We will ship you a sample unit on the spot free of charge and you can see for yourself!

IP67 Protection

Category 12 High-speed data services

2x2 and 4X4MIMO in the downlink

2T4R

1 channel GE PoE

Built-in DHCP server and NAT

Enhanced security capabilities: firewall, VPNs

Web/TR069/SNMP management

Internal high gain antenna

Full CPE as CBSD Cat B operation

Transmit Efficiency

OCB12

Adapter   **PoE Switch**

RJ45

The Outdoor CPE integrates with an indoor router, and together with remote software upgrades and management, WiSPS/carriers may best optimize transmission efficiency to deliver long-range wireless broadband services to residential or enterprise customers. Our Installation Assistant app, easily facilitates CPE installation, thus reducing overall installation time and cost.

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Cellular Specifications

Category	3GPP Release 12, Category 12
Peak throughput	FDD: DL 800Mbps/UL 150Mbps TDD: DL 560Mbps/UL 30Mbps
LTE bands	FDD: B1/3/7/8/20/28 TDD: B38/40/41/42/43/48
CA and MIMO	CA: intra or inter band DL 2CA (4x4 MIMO 64 QAM) DL 4CA (2x2 MIMO 256 QAM)
Tx / Rx	2Tx / 4Rx
Transmit Power	Power Class 3 (23±2dBm)

High-gain antenna

LTE Antennas	Antenna Option	RF	Gain
	Narrow Band	3.4G~3.8G	17dBi

Hardware Specifications

LTE chipset	GCT GDM7243A
Fixed Interfaces	1 x RJ45 10/100/1000Mb/s 1 x SIM Slot (1.8V/3.0V 2FF)
LED Indicator	4 LED Indicators (PWR, NET, SIM, RF Signal)
Buttons	Reset and restore factory setup
Power Supply	24V non-standard POE default IEEE 802.3at compatible POE customized
Power Consumption	< 10W
Power adapter	Input: AC 90~240V Output: DC 24V/0.5A
Water and Dustproof	IP67
Dimensions and Mounting	Dimensions: 288mm x 288 mm x 82mm Weight: <2kg Mounting: Rail and Wall mounting
Temperature and Humidity	Operating: -30~ 60 Storage: -40~85 Humidity: 5%~95%

Software Specifications

WAN	Multi-APN support, maximum four IP pass through IPv4/v6 dual stack
LAN	VLAN 802.1Q DHCP Server, Client DNS and DNS proxy DMZ Multicast/Multicast Proxy MAC Address Filtering
Protocol	Routing: Static Routing, IGMP Proxy
Device management	TR069 SNMP v3 Web UI Software upgrade via WEB/TR069/FOTA USIM PIN management
Routing mode	Route Mode Bridge Mode NAT mode Static Route Port Mirror and Port Forwarding IPv6 Dual Stack
VPN	IPsec PPTP GRE Tunnel(L2/L3) L2TPv2 and L2TPv3 VPN pass-through
Security	Firewall MAC Address Filtering IP Address Filtering URL Filtering Access Control HTTPS Login from WAN Dos attach protection Two level of user authority
Reliability	Watchdog for automatic recovery Auto rollback to previous version when upgrade fails

Appendix-Deliveries

OCB12 Outdoor CPE	1 PCS
PoE Injector + adapter	1 PCS
Accessories for pole mounting	1 PCS
Quick Start Manual	1 PCS

Delivered DDP to anywhere in the USA!