

 **Codium**
Networks

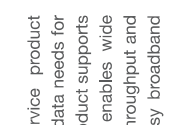
5G CPE

OCB12

[Quick Start Guide ▶](#)

Introduction

OCB12 is an advanced 5G outdoor multi-service product designed to meet increasingly diverse needs for residential business and industrial applications. The product supports advanced 5G network functionalities. It enables wide service coverage and provides high-speed data throughput and low latency, ensuring high-quality service for various industrial scenarios.



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• 10 ports of 5G+
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DEVICE PORTS & LEDS

Packing List

Make sure you have everything you need to properly configure the device.

			
Standard 2-pin power supply	Coaxial glands	Slotted stand cap	Ground screws

Overview

1. Connect the power supply cable to the PoE.
2. PoE injector provides the power to ODU via LAN cable.
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10. PoE injector provides the power to ODU via LAN cable.

This quick installation guide shows you how to configure your ODU in order to access the Internet.

Configure hardware

Please make sure that you are familiar with all accident prevention and safety procedures necessary for working at height and with electricity. For more information, see the [Safety](#) section of the manual.

DO NOT install the ODU during a lightning storm.

Insert a SIM Card to the Slot

Make sure the ODU is turned off before you insert your SIM card. It is recommended to **NOT** connect the power cable to the ODU while inserting the SIM card as they may be damaged.



Installing the ODU

To connect the ODU (or above) Ethernet cable:

- See the instructions below for correct ODU installation.
- Run 1 Cat5e (or above) cable to thread through the cable glands.
- Connect the end of the Cat5e (or above) Ethernet cable to the PoE port of the ODU.
- Strip 3 wiring (not cable glands) into ODU and seal tightly.

NOTE: Make sure you have inserted the SIM card to the ODU.

Header Connection

Mounting Bracket

NOTE: The GDU needs professional installation. Consult the professional cable installer.

Put the grounding screw through the hole of the grounding wire, lock it together at the grounding hole of the metal shell (select one of the two holes), and connect the other end of the grounding wire to the earth.

Choose Location

The ODU can be mounted on a pole or mast or on a wall using the supplied mounting bracket.

Choose a mounting point that is sturdy enough to hold the ODU.

When choosing a location to install the ODU, please note that the ODU's front panel should point towards your service provider's nearest base station. You do not need to be able to use the base station directly, but you must be able to see it. This will help you communicate with your service provider and troubleshoot any difficulties with signal reception. A Line of Sight (LoS) connection may produce better results.

It is suggested that you transport the ODU to its intended installation location in a signal protective package.

To obtain the best radio signal level and connection quality, the CPE should be installed in an open area with no obstructions between the search for the best ANS direction, the user can rotate the CPE slowly and tilt CPE slightly to find the best signal direction. The CPE radio signal strength level can be observed from the RF LEDs mounted on the front panel. The LEDs will show a green color. Different colored LEDs represent different signal strength.

Connect the PDE

Place a CAT5e (or above) Ethernet cable (not included) from the location of your intended Router to the desired CPE location.

If you intend to use cable clamps or other methods to secure the cable, do not tighten them until you finish installing the Router and ODU.

The diagram illustrates the power and data connections for the system. On the left, the Outdoor Unit (ODU) is shown with a power supply cable connected to its top. A double-headed arrow indicates the connection to the Indoor Unit (IDU) on the right. The IDU is connected to a computer via a power cable. The IDU is also connected to a power source via a power cable. The IDU is connected to a power source via a power cable.

CODIUM For Technical Support
 Please contact your Internet Service Provider
 1-877-447-2644

COMU	
Security on POWER	Power on
Security on INTERNET	Internet available
Security on SEARCHING	Searching network
Security on SHARING	SHN ready
Security on SHM	No SHM detected
Security on SIGNAL	Signal strong
Security on SLOW	Signal good
Security on SLOW	Signal weak
Security on SLOW	Bitting Green and Red
Security on SLOW	Firearms upgrade

The diagram shows the rear panel of a 5G LTE router. It features a central antenna array consisting of 16 circular elements arranged in a 4x4 grid. To the right of the antenna array is a rectangular label with technical specifications. The label includes the text '5G LTE', '4G LTE', '3G HSPA+', '2G GSM', 'Wi-Fi', 'Bluetooth', 'USB', 'Ethernet', 'Power', 'Reset', and 'Antenna'. The router has a metal casing with mounting holes around the perimeter.

[illegible]

Troubleshooting

- **The POWER indicator does not turn on.**
 - Make sure that the power cable is connected to the PoE, and the CPE is connected to the right port of the PoE.
- **Fail to Log in to the web management page.**
 - Make sure that the CPE is powered on.
 - Verify that the CPE is correctly connected to the computer through a network cable.
 - Use a browser to parse default configuration local service center.
- **The CPE fails to search for the 5G network.**
 - Check that the CPE is placed in an open area that is far away from obstructions, such as concrete or wooden walls.
 - Check whether the CPE is in a 5G network, such as a 4G or 5G mobile network, microwave oven, refrigerators, and satellite signals.
 - If the problem persists, contact your Internet Service Provider.
- **The parameters are restored to default values.**
 - If the CPE powers off unexpectedly, while being configured, parameters might reset to their default settings.
 - After configuring the parameters, download the configuration file to quickly restore the CPE to the desired settings.

QC: _____



Notice

Some features of the product and its accessories described herein rely on the software installed, capacities and settings of local network, and may not be activated or may be limited by local network. Please refer to the user manual for details. The product from herein may not exactly match the product or its accessories you purchase.

We reserve the right to change or modify any information or accessories contained in this manual without prior notice or obligation.

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FCC Regulations:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference that it may receive. This device has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference to other licensed operations in the vicinity. To prevent harmful interference to other licensed operations, this device must be used in accordance with the instructions, may cause harmful interference to other licensed operations, and may not be used in areas where radio wave frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference will not occur in a particular installation, if the equipment does cause harmful interference to radio or television reception, that can be determined by turning the equipment off and on. The user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Plug the power cord of the equipment into a different outlet than that to which the receiver is connected.
- Consult the dealer or a experienced radio/TV technician for help.

Changes or modifications not expressly approved by the manufacturer could void the users authority to operate the equipment.

FCC RF Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. To comply with FCC RF Exposure limits for an uncontrolled environment, this grant is applicable to only Mobile use of the equipment. The user should follow the operating instructions to provide a separation distance of at least 31 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

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