



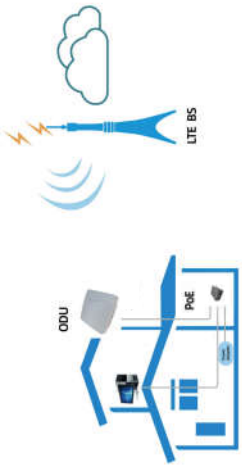
5G CPE

OCB5

Quick Start Guide ▶

Introduction

OCB5 is an advanced 5G outdoor multi-service product solution that can be used in various scenarios, such as industrial, commercial, and residential businesses and enterprise users. The product supports advanced 5G multi-service networking functionalities. It enables wide service coverage and provides high-speed data throughput and low latency, ensuring business continuity and fast emergency response.



DEVICE PORTS & LEDs

1 IO panel of ODU



Packing List

Ensure you have everything required to install the device.

ODU	PUE	Ethernet cable	Bracket
Standardized wiring diagram	Cable glands	Standard cap	Ground screws

Overview

1. Connect the power supply cable to the PUE.
2. PUE injector provides the power to ODU via LAN cable.
3. LAN cable and PUE connects to the PC, so that PC can access the Internet when ODU connects to 5G network.
This quick installation guide shows you how to configure your ODU in order to access the Internet.

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Configure hardware

CAUTION

Please ensure you are familiar with all accident prevention and safety procedures necessary for working with high-voltage electricity before starting to install the device.

DO NOT install the ODU during a lightning storm.

CAUTION

Insert a SIM Card in the Slot

Ensure the ODU is turned off before you insert your SIM card. Insert the SIM card into the slot and then the PUE cable connected.



Installing the ODU

To connect the CAT5s (or above) Ethernet cable:

Step 1 CAT5s (or above) cable to thread through the cable glands, and the other end of the CAT5s (or above) Ethernet cable to the PUE port of the ODU.

Step 3 Wiring the cable glands into ODU and seal tightly.

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

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Header Connection



Mounting Bracket



Connect the protecting ground cable

Put the grounding screw through the hole of the grounding wire, and then screw it tight. Do not let the grounding wire touch the other two holes, and connect the other end of the grounding wire to earth.



NOTE: The ODU needs professional installation.

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Choose Location

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

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 antenna. The ODU should be installed in a location that is away from base station from the ODU's position. However, if you experience difficulties with signal reception, a Line of Sight (LOS) connection may be a better option.

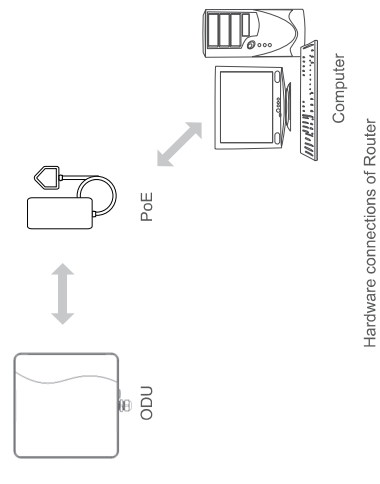
At location better than that, transport the ODU to its intended installation location in its original protective package.

To obtain the best radio signal level and connection quality, the CPE antenna should be aimed towards the best eNB or BS directly. To search for the best eNB direction, the user can rotate the CPE slowly and let CPE display to find the best signal direction. The CPE ratio of the LED indicator will be different when the CPE is in different direction. The lower panel as shown below. Different colored LEDs represent different signal strength.

Connect the PUE

Place a CAT5s (or above) Ethernet cable (not included) from the injector of your intended router to the Ethernet PC connector. If you intend to use cable clamps or other methods to secure the cable, please do not tighten them until you finish installing the Router and ODU.

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Hardware connections of Router

Step 1 Connect the CAT5s (or above) Ethernet cable to PUE.

CAUTION

Do not connect a computer or switch directly to the PUE port due to high PUE power.

Step 2 Connect the power supply cable to the PUE. The POWER LED indicator will light up.

Step 3 Connect the included Ethernet cable from the computer to one of the Router's Ethernet ports.

LED Indications

When setting up the Outdoor Unit, the LED display will show the following

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Codium Networks

For Technical Support

Part Number: 5G-10000000000000000000

Configure the CPE

Login to the website

Use a browser to access the management web page to configure and manage the CPE. This document describes how to use a computer running Windows 7 or above version and Internet Explorer to connect to the CPE webpage.

Step 1 Connect to the CPE

Step 2 Choose Settings - Network

Step 3 Set the connection mode and scan mode.



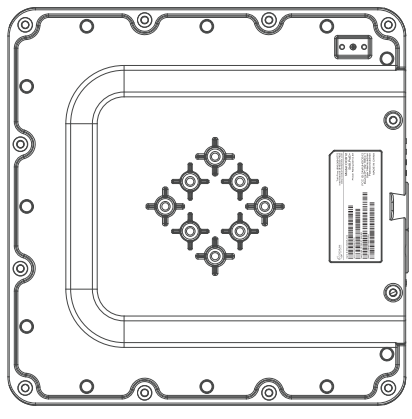
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Configuration of 5G

Step 1 Connect to the CPE.

Step 2 Choose Settings - Network

Step 3 Set the connection mode and scan mode.



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Troubleshooting

The POWER indicator does not turn on.

Check the power supply cable is connected to the PUE injector, and the CPE is connected to the correct port of the PUE injector.

Fail to Log in to the web management page.

Ensure the CPE is powered on.

Check the IP address of the CPE is correct. The default IP address is 192.168.0.1. If the problem persists, contact authorized local service center.

The CPE fails to search for the 5G network.

Check that the CPE is placed in an open space that is far away from obstructions, such as concrete or wooden walls.

Check that the CPE is placed far away from household electrical appliances that generate a strong electromagnetic field, such as microwave ovens, electric kettles, and so on.

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.

After configuring the parameters, download the configuration file to quickly restore the CPE to the desired settings.



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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 received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for Class B digital devices, pursuant to part 15 of FCC Rules, which limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used properly, it may cause interference to radio communications. It is important that you follow the instructions in the manual to reduce the risk of interference. If this interference does occur, you may need to take the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from 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 user's authority to operate the equipment.

FCC RF Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth in FCC Part 15. The equipment complies with the FCC RF exposure compliance requirements. This plan is applicable to only Mobile Configurations. The antennas used for the transmitter must be installed, maintained, and used in accordance with the instructions and must not be co-located or operating in conjunction with any other antenna or transmitter.



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Notice

Some features of the product and its accessories described herein rely on the software installed, capacities and settings of the local network operators or network service providers. Thus the descriptions herein may not exactly match the product or its accessories. We reserve the right to change or modify any information or specifications contained in this manual without prior notice or obligation.



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