



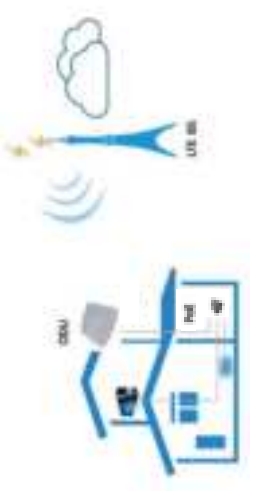
5G CPE

OCB5

Quick Start Guide ▶

Introduction

OCB5 is an advanced 5G outdoor multi-service product solution that can be used in various scenarios, such as residential, business and enterprise users. The product supports advanced 5Gabit networking functionalities. It enables wide service coverage and provides high speed data throughput and low latency, meeting the needs of customers who need 5G network access.



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1 IO panel of ODU

DEVICE PORTS & LEDS



Packing List

Ensure you have everything required to install the device.

ODU	Power cable	Router
Standardized wiring diagram	PoE	Ethernet cable
Cable glands	Standard cap	Ground screw

Overview

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

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Please ensure you are familiar with all accident prevention and safety procedures necessary for working with electricity before starting to install the device.
DO NOT install the ODU during a lightning storm.

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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 SIM card slot. Do not force the PoE cable connected.

Installing the ODU

To connect the CAT5s (or above) Ethernet cable.

See the instructions below for correct ODU installation.

Step 1 CAT5s (or above) cable to thread through the cable glands, and the CAT5s (or above) Ethernet cable to the PoE 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 preinstall ground cable

Put the grounding wire through the hole of the grounding wire, and connect the other end of the grounding wire to earth (two holes), and connect the other end of the grounding wire to earth.

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NOTE: The ODU needs professional installation.

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 tower. The ODU should be installed in a location that is easy to access and not exposed to direct sunlight. To avoid base difficulties with signal reception, a Line of Sight (LOS) connection may be required between the ODU and the antenna tower.

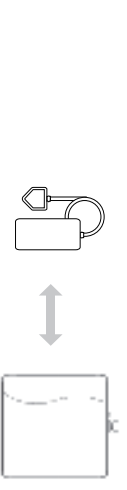
To obtain the best radio signal level and connection quality, the CPE antenna should be aimed towards the best eNB or BS directly. To search for the best eNB direction, the user can rotate the CPE slowly and let CPE display to find the best signal direction. The CPE ratio of the LED light is different.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

Connect the PoE

Place a CAT5s (or above) Ethernet cable (not included) from the router of your intended house to the Ethernet PC location.

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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Step 1

Connect the CAT5s (or above) Ethernet cable to PoE.

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

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Step 2

Connect the power supply cable to the PoE. The POWER LED light will show the power is on.

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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For Technical Support

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Configure the CPE

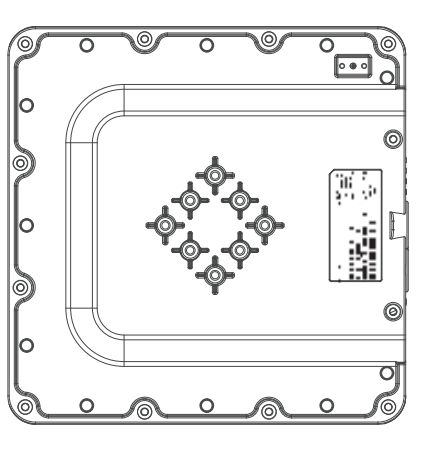
Use a browser to access the management web page to configure and manage the CPE. This document describes how to use a computer running Windows 7 or above version and Internet Explorer to connect to the CPE webpage.

Step 1 Connect to the CPE

Step 2 Choose Settings - Network

Step 3 Set the connection mode and scan mode.

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Step 3

Enter the user name and password, and click Log In.

Step 4

Click the parameter to the management web page after the parameter is verified.

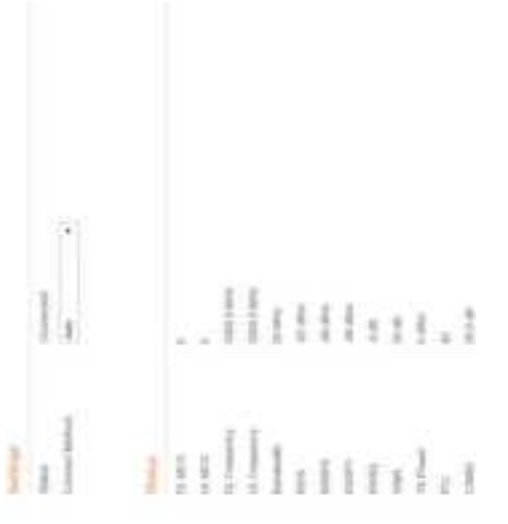
Configuration of 5G

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Configuration of 5G

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Troubleshooting

The POWER indicator does not turn on.

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

Fail to log in to the web management page.

Ensure the CPE is powered on.

Check the IP address of the CPE is correctly connected to the computer through a network cable.

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 a microwave oven, a refrigerator, a washing machine, etc.

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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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.

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 in accordance with the instructions, may cause interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio communications, 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.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an 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, used, and replaced only by qualified personnel and must not be co-located or operating in conjunction with any other antenna or transmitter.

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