



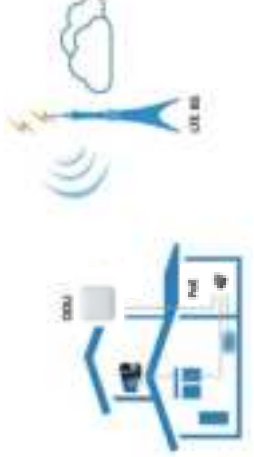
LTE CPE

OCBX12

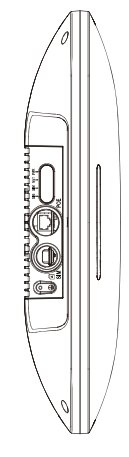
Quick Start Guide ▶

Introduction

OCBX12 is an advanced LTE Advanced and LTE outdoor multi-service CPE that can be used in a wide range of scenarios to provide advanced features for residential and enterprises. The product supports advanced 4G/LTE network capabilities, provides wide service coverage and provides high speed data throughput and networking features to support users who require reliable, high performance broadband access.



DEVICE PORTS & LEDs



1 IO panel of ODU -

Packing List

Ensure you have everything required to install the device.

ODU	PdE	Ethernet cable	Bracket
Signal splitter	Cable glands	Cable glands	Shielded end cap

Overview

1. Connect the power supply cable to the PdE.
2. Connect the Ethernet cable to the ODU LAN cable.
3. LAN cable and PdE connects to the PC, so that PC can access the Internet when ODU connects to the LTE network.
This quick installation guide shows you how to configure your ODU in order to access the Internet.

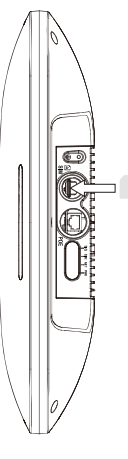
Configure hardware

Warning

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

Warning

Ensure the ODU is turned off before you insert your SIM card. The ODU's SIM card do not have the PdE cable connected.



Insert a SIM Card in the Slot

Ensure the ODU is turned off before you insert your SIM card. The ODU's SIM card do not have the PdE cable connected.

Installing the ODU

To connect the CAT5e (or above) Ethernet cable:

Step 1 CAT5e (or above) cable to thread through the cable glands.
Step 2 Connect the end of the CAT5e (or above) Ethernet cable to the ODU's Ethernet port.
Step 3 Wring the cable glands into ODU and seal tightly.
NOTE: Make sure you have inserted the SIM card into the ODU.

Header Connection

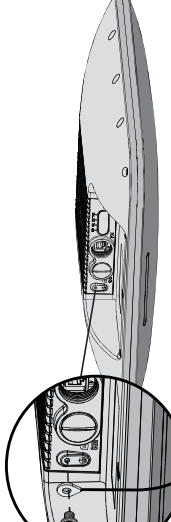


Mounting Bracket



Connect the protecting ground cable

Put the grounding screw through the hole of the grounding wire, and then insert the screw into the hole of the ODU. Connect the two holes, and connect the other end of the grounding wire to earth.



NOTE: The ODU needs professional installation.

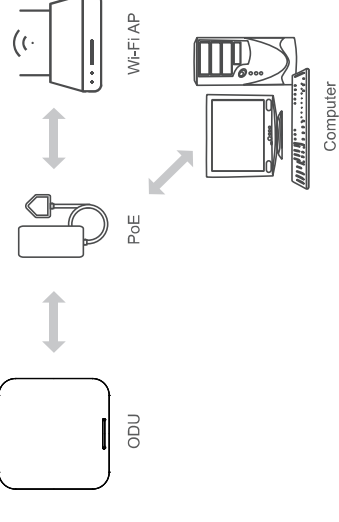
Choose Location

The ODU can be mounted on a pole, mast or on a wall using the supplied mounting 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 antenna. The ODU should be installed in a location that is free of obstructions and has a clear line of sight to the service provider's station from the ODU's position. However, if you experience difficulties with signal reception, a Line of Sight (LoS) connection may produce better results.
To obtain the best radio signal, the ODU should be installed in a location in its original protective package.
To obtain the best radio signal, the ODU should be installed in a location where the antenna should be aimed towards the base station or BS. Please search for the best dBm direction, the user can rotate the CPE slowly and tilt CPE slightly to find the best signal direction. The CPE radio signal strength is indicated by the LED display on the front panel of the lower panel as shown below. Different colored LEDs represent different signal strength.

Connect the PdE

Please a CAT5e (or above) Ethernet cable (not included) from the location of your installed Router to the desired PC, Switch or Wi-Fi AP.
If you intend to use cable chains or other methods to secure the cable, do not tighten them until you finish installing the Router and ODU.

Hardware connections of Router



Step 1 Connect the CAT5e (or above) Ethernet cable to PdE.

Warning

Do not connect a computer or switch directly to the PdE port (Power-Data out) to avoid any equipment damage.

Step 2 Connect the power supply cable to the PdE. The POWER button will light up when 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:



For Technical Support

Access Online your Internet Service Provider

OCBX12 LEDS Display

POWER	Signal green light	Power on
	No light	No power supply
Internet	Signal green light	Internet available
	No light	Internet unavailable
Wi-Fi	Signal green light	Searching network
	No light	Search failed
4G	Signal green light	4G ready
	No light	4G not ready
Signal	Signal green light	Signal strong
	No light	Signal weak
Search	Signal yellow light	Signal search
	No light	Signal not found
Search	Signal green light	Search complete

Configure the CPE

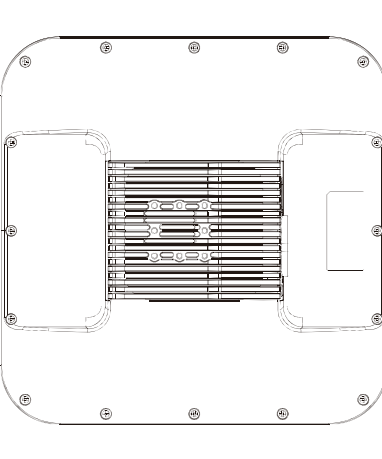
Login to the website

Use a browser to access the management web page to configure and manage the CPE.
The default settings are as follows: IP address: 192.168.0.1, Username: admin, Password: admin.
Windows 7 or above version and Internet Explorer to connect to the CPE webpage.

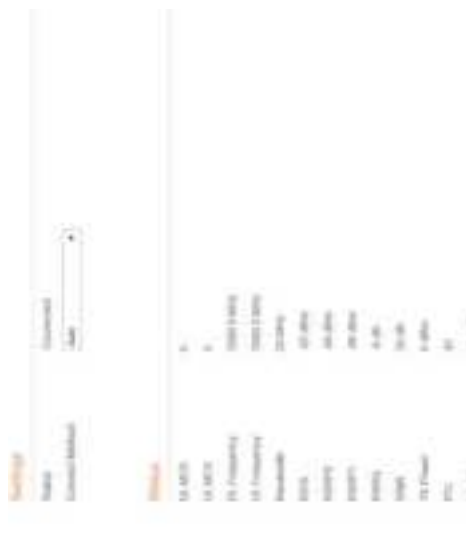
Step 1 Connect to the CPE.
Step 2 Go to the management website.
Step 3 Enter the user name and password, and click Log In. The connection mode and scan mode will be verified.

Configuration of LTE

Step 1 Connect to the CPE.
Step 2 Go to the management website.
Step 3 Enter the user name and password, and click Log In. The connection mode and scan mode will be verified.



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Step 4 Set the connection mode and scan mode.

Troubleshooting

The POWER indicator does not turn on.
Ensure the PdE injector's power cord is connected to an electric outlet, and the CPE is connected to the correct port of the PdE injector.

Failure to Log In to the web management page.
Verify that the CPE is correctly connected to the computer through a network cable.
If the problem persists, contact your Internet Service Provider.

The CPE fails to attach to the LTE network.
Check that the CPE is placed in an open area that is far away from obstructions, such as concrete or wooden walls.
Check that the CPE is placed far away from household electrical appliances, such as microwaves, refrigerators, and satellite dishes.
If the problem persists, contact your Internet Service Provider.

The parameters are restored to default values.
If the CPE restores default values, 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 PASS

QC

Notice

Some features of the product and its accessories described herein may not be available in all regions. The user should refer to the local regulations, network operators or network service providers, for the description of the product and 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 a Class B digital device, pursuant to part 15 of FCC Rules, which provides for reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not properly installed or used, it may cause harmful 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 reception, which 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.
—Connect the equipment to 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 product warranty and the user's 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, the user must follow the operating instructions and warnings provided with the equipment. The antenna used for the transmitter must be installed to provide a separation distance of at least 30cm from all persons and other objects. The equipment should not be used or operated in conjunction with any other antenna or transmitter.