

Introduction

OCB is an advanced 5G outdoor multi-service product solution specifically designed to meet integrated data needs for applications such as smart cities, smart highways, smart ports, and advanced CAGIAT networking functionalities. It enables wide service coverage and provides high-speed data throughput and low latency. The following features to customers who need easy broadband access.

Packing List

Ensure you have everything required to install the device.

ODU	PoE	Cable glands	Standard cap	Ground screws
Strapless panel	Ethernet cable	Cable glands	Standard cap	Ground screws

Device Ports & LEDs

- 1: I/O panel of ODU

Quick Start Guide

5G CPE

OCB5

Configure hardware

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

Header Connection

Mounting Bracket

Connect the preceding ground cable

Put the grounding screw through the hole of the grounding wire, and connect the other end of the grounding wire to earth.

Installing the ODU

To connect the CAT5e (or above) Ethernet cable:

- See the instructions below for correct ODU installation.
- 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 left 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.

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 nearest base station. You do not need to be able to see the base station, but you must have an unobstructed line of sight to produce better results.

It is suggested that you transport the ODU to its intended installation location in its original protective packaging.

To obtain the best radio signal level and connection quality, the CPE should be installed in an open area. 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 LED mounted on the rear panel of the ODU. Different colored LEDs represent different signal strength.

Connect the PoE

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

LED Indications

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

- 1: I/O panel of ODU

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 from licensed radio stations.

This equipment 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 in a residential installation. This equipment uses shielding to reduce radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio reception. However, there is no guarantee that interference will not occur in a particular installation. If the equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to take the following steps 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 a power outlet that is on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

These measures do not eliminate the possibility that the manufacturer could not test the equipment for compliance with the FCC Rules. Therefore, the user is advised to consult the manufacturer for more information.

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 compliance requirements, this grant is applicable to only mobile devices that are used in handheld or mobile mode. The device must be installed to provide a separation distance of at least 27cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

Troubleshooting

The POWER indicator does not turn on.

- Ensure the power cable is connected to the PoE injector, and the CPE is connected to the correct port of the PoE injector.

Fails to Log in to the web management page.

- Verify that the CPE is powered on.
- Ensure the IP address is correct.
- Verify that the CPE is correctly connected to the computer through a network cable.
- 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 area that is far away from obstructions, such as concrete or wooden walls.
- Check that the CPE is not in a dead zone.
- Check that the CPE is not in a microwave oven, refrigerator, and satellite dishes.
- 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.

Configuration of 5G

Step 1 Connect to the CPE.

Step 2 Go to the management website.

Step 3 Choose Settings - Network -> 5G Settings.

Step 4 Set the connection mode and scan mode.

Configure the CPE

Login to the website

Use a browser to access the management web page to configure the CPE. The following procedures describe how to use a computer running Windows7 or above version and Internet Explorer to connect to the CPE webpage.

Step 1 Connect to the CPE.

Step 2 Start Internet Explorer, type <http://192.168.0.1> in the address bar, and press Enter.

Configure the CPE

Login to the website

Use a browser to access the management web page to configure the CPE. The following procedures describe how to use a computer running Windows7 or above version and Internet Explorer to connect to the CPE webpage.

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