

**Huawei OptiXstar EN8010Ts-20**

## **Quick Start for QR code**

|              |            |
|--------------|------------|
| <b>Issue</b> | 01         |
| <b>Date</b>  | 2023-03-30 |



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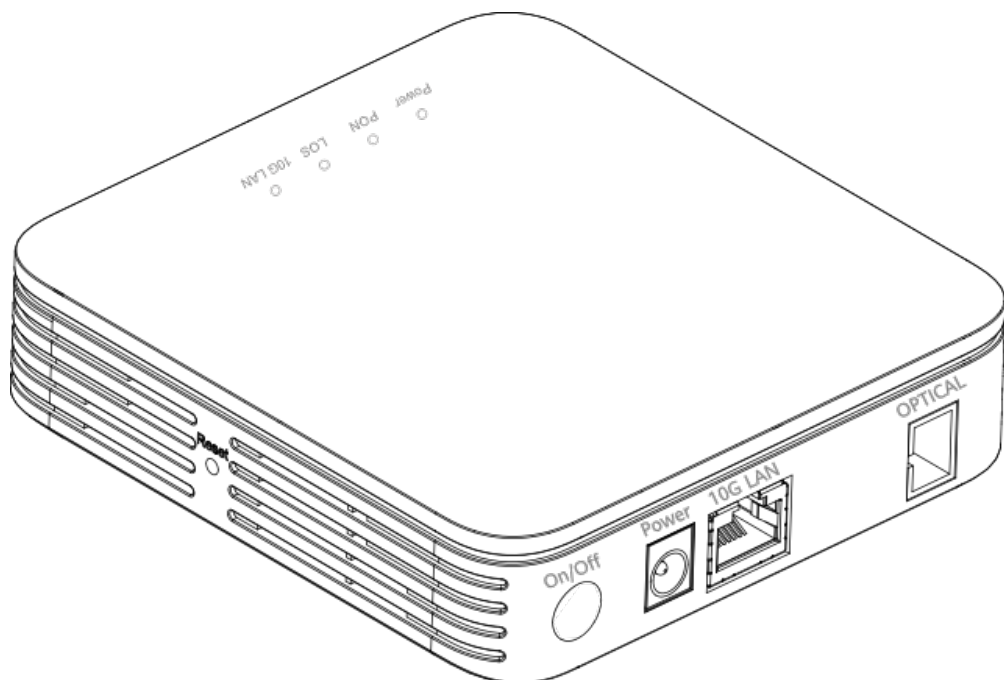
# 1 Placing the Device

## NOTE

- Do not install the ONT outdoors or in an outdoor cabinet.
- The ONT can be mounted onto a wall or placed on a desk. Do not install the ONT in other modes, such as ceiling.
- Keep 10 cm clearance on all sides to ensure adequate ventilation.
- It is recommended that the computer and ONT be put far away from electric appliances that generate strong magnetic or electric fields, such as microwave ovens.

## Mounting an ONT on the desk

The figure below shows an ONT that is horizontally placed on a desk.

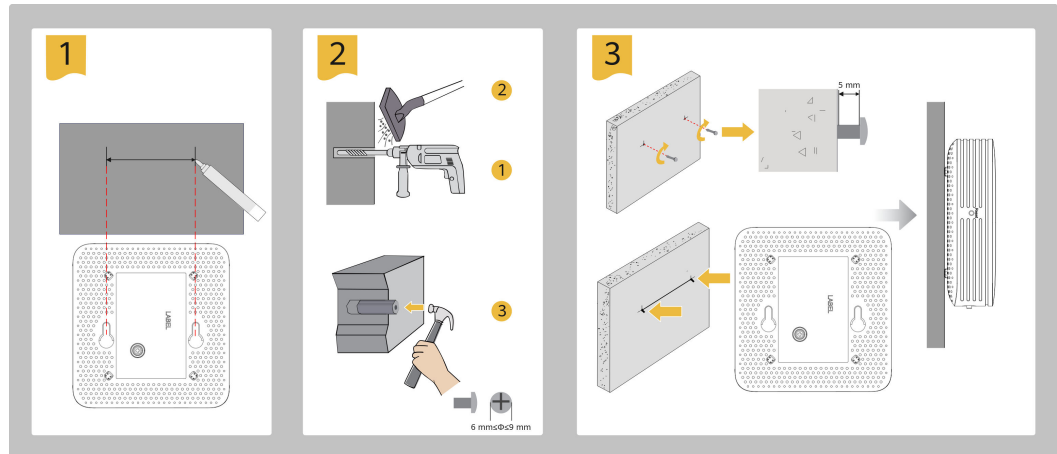


## NOTE

The appearance shown in this document may be different from the actual appearance of the product. The actual product prevails.

## Mounting an ONT onto the wall

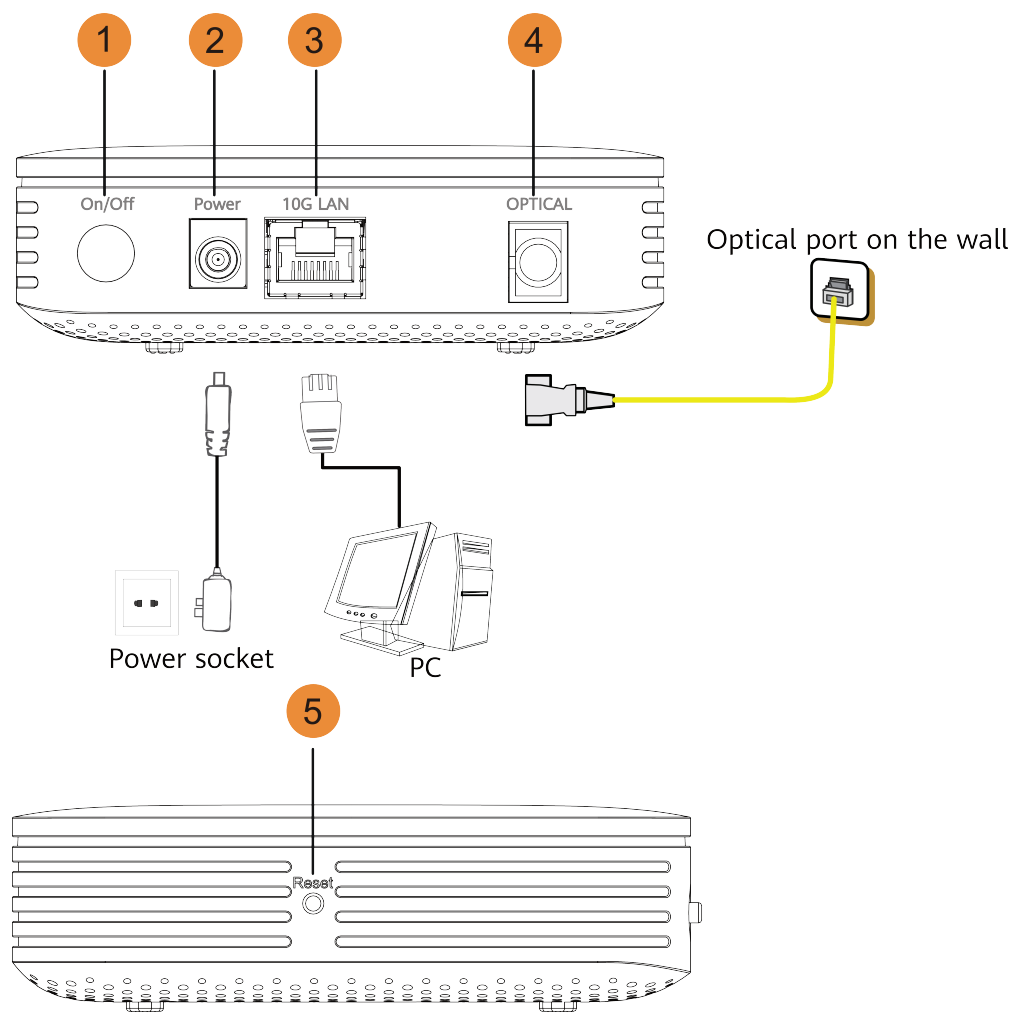
1. Mark two positions with the same spacing as that between the two mounting holes of the ONT using a marker on a wall.
2. Select a proper drill bit according to the outer diameter of the screws. Use a hammer drill to drill the marked positions on the wall. Then clean the holes and install two expansion bolts.
3. Use a screwdriver to fasten the screws into the expansion bolts, reserving 5 mm ends out of the wall, and mount the ONT onto the screws.



### NOTE

It is recommended that the screw be about 4 mm in diameter and longer than 20 mm.

# 2 Connecting Cables



## NOTE

- The fiber connector connected to the optical port on the wall varies depending on actual conditions.
- To ensure normal use of fibers, make sure that the fiber bending radius is larger than 30 mm.

| No. | Item    | Description                                                                                                                                                                                                                                                                                                                                                                                        |
|-----|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | On/Off  | Powers the ONT on or off.                                                                                                                                                                                                                                                                                                                                                                          |
| 2   | Power   | Connects to a power adapter.                                                                                                                                                                                                                                                                                                                                                                       |
| 3   | 10G LAN | Connects to PC or IP set-top box (STB).                                                                                                                                                                                                                                                                                                                                                            |
| 4   | OPTICAL | <p>The optical port is equipped with a rubber plug and connected to a fiber for upstream transmission.</p> <p>The type of the optical connector connected to the optical port can be SC/APC.</p>                                                                                                                                                                                                   |
| 5   | Reset   | <p>Press the button for a short time to reset the device; or press the button for a long time (longer than 10s) to restore the device to the default settings and reset the device.</p> <p><b>NOTE</b></p> <p>Reset Huawei ONTs with caution. Otherwise, the ONTs may fail to access the Internet. If an ONT cannot access the Internet after a reset, contact your Internet service provider.</p> |

# 3 Indicator Description



| Indicator | Status                   | Description                                       |
|-----------|--------------------------|---------------------------------------------------|
| Power     | Steady on                | The ONT is powered on.                            |
|           | Off                      | The power supply is cut off.                      |
| PON/LOS   | See the following table. |                                                   |
| 10G LAN   | Steady on                | The Ethernet connection is in the normal state.   |
|           | Blinking                 | Data is being transmitted over the Ethernet port. |
|           | Off                      | The Ethernet connection is not set up.            |

| Status No. | PON Status            | LOS Status                  | Description                                                                                                  |
|------------|-----------------------|-----------------------------|--------------------------------------------------------------------------------------------------------------|
| 1          | Off                   | Off                         | The ONT is prohibited by the upper-layer device or blinks abnormally. Contact the service provider for help. |
| 2          | Blinks twice a second | Blinks twice a second       |                                                                                                              |
| 3          | Blinks twice a second | Off                         | The ONT attempts to set up a connection with its upper-layer device.                                         |
| 4          | Steady on             | Off                         | A connection is set up between the ONT and its upper-layer device.                                           |
| 5          | Off                   | Blinks once every 2 seconds | The ONT is not connected to fibers or does not receive optical signals.                                      |

| Status No. | PON Status                  | LOS Status                  | Description             |
|------------|-----------------------------|-----------------------------|-------------------------|
| 6          | Blinks once every 2 seconds | Blinks once every 2 seconds | The hardware is faulty. |

 NOTE

If the ONT is not powered on or the power switch is turned off, all indicators are off.

# 4 Technical Specifications

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| Product                      | Function        |
|------------------------------|-----------------|
| Huawei OptiXstar EN8010Ts-20 | 1 Ethernet port |

- Power adapter input: See the nameplate on the adapter.
- System power supply: See the nameplate on the device.
- Ambient temperature: 0°C to +40°C
- Ambient humidity: 5%–95% (non-condensing)
- Dimensions (H x W x D): 32 mm x 105 mm x 110 mm (Without pads)
- Weight: About 163g
- Maximum system power consumption: 6 W

# 5 FAQs

## NOTE

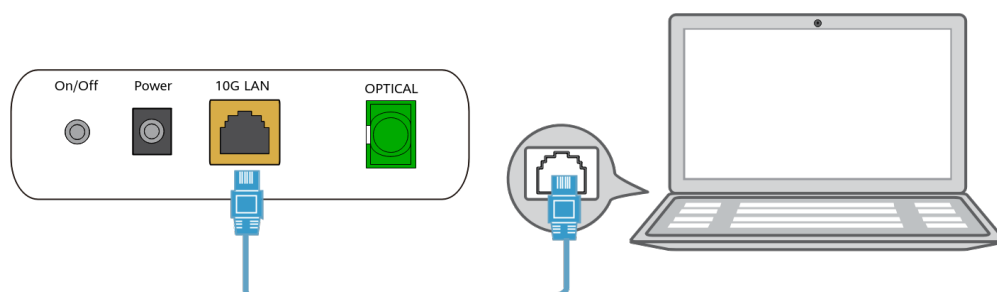
The following web page is only for reference. The actual web page of the product prevails.

## How do I log in to the Huawei ONT web page?

### NOTE

You are advised to use the latest browser to log in to the web configuration page. Chrome 58/Edge 14/Firefox 54/Safari 10/Opera 55 or later is recommended. If the browser of an earlier version is used, compatibility issues may occur.

1. Use a network cable to connect a PC to the Huawei ONT.



2. Set the IP address of the PC in the same subnet as the web address of the Huawei ONT. *For example, if the web address of the Huawei ONT is 192.168.18.1 (for the web address of the Huawei ONT, see the product nameplate), set the IP address of the PC to 192.168.18.100.*

### NOTE

The preceding cable connection diagram and login pages are only for reference, and those of the actual product prevail.

3. Log in to the web configuration page.
  - a. Open a browser. In the address box, enter the web address (printed on the nameplate of the Huawei ONT). Press **Enter**.
  - b. Enter the login user name and password (printed on the nameplate of the Huawei ONT). Click **Log In**.

 **NOTE**

- If you do not perform any operations after logging in to the system within five minutes, you will be logged out, and the system automatically returns to the login interface.
- The system will be locked for one minute if you input incorrect user name and password for three consecutive times.
- Change the initial password after logging in to the web page for the first time.

## How do I restore the Huawei ONT to factory setting?

Press **Reset** by using a needle-type object for longer than 10s to restore factory defaults and reset the Huawei ONT. If the indicator is off and then is lit, the system restarts successfully.

 **NOTE**

Exercise caution when restoring factory settings. This function may cause the loss of ONT configuration information and further cause an Internet access failure. If this problem occurs, contact your service provider for help.

## What can I do if the network speed is slow?

1. Check whether network cables are properly connected. Remove and then insert the network cables. Then, check whether the network speed is normal.
2. Check whether downloading, network video watching, or other operations occupy a large amount of bandwidth. Due to bandwidth restrictions, if some network applications occupy a large amount of network bandwidth, the network speed is slow.
3. Use another PC to check whether the network speed is normal.

## How can I download Huawei ONT firmware or ONT software?

Huawei ONT is used with an OLT and NMS of a required version. If the versions are not the required ones, the ONT may not work.

If required, contact your internet service provider to obtain the correct ONT firmware or software.