

F100D-4G

Quick Start

Issue	01
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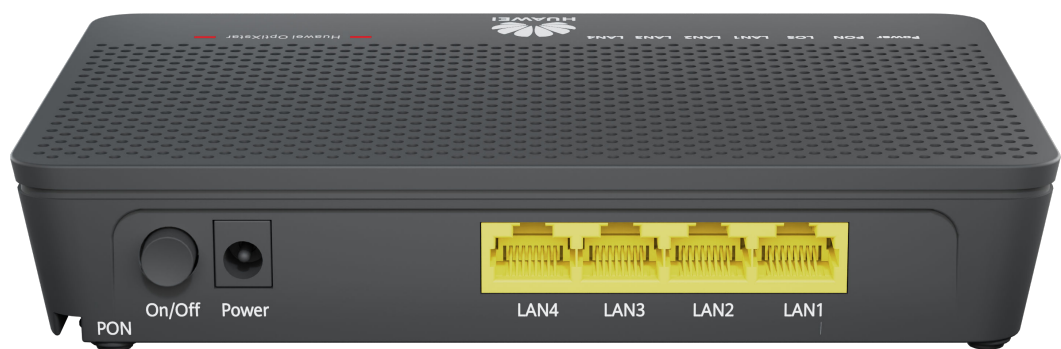
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1 Device Appearance



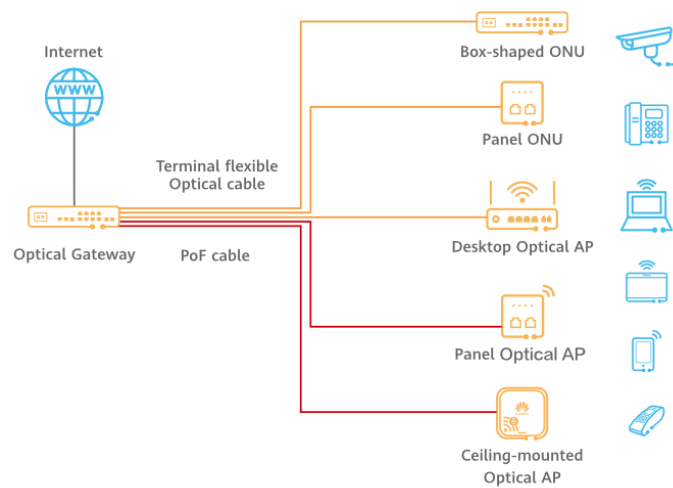
 NOTE

The figures shown in this document may differ from the actual products, but the differences do not affect the functions of the products.

Port/ Button	Description
On/Off	Turns on or off the device.
LAN1- LAN4	Works as Ethernet ports.
Power	Connects to a power cable.
Reset	Restarts the device. Press the button for a short time to restart the device. Press and hold the button for more than 10s to restore the factory settings and restart the device. NOTE Exercise caution when using the reset button. After the device is restored to factory settings, it may fail to access the Internet. If the device cannot access the Internet after being restored to factory settings, contact your service provider.

2 Typical Application

Figure 2-1 MiniFTTO networking scenario



3 Device Installation

Huawei OptiXstar F100D-4G can be placed horizontally on a desktop or mounted on a wall.

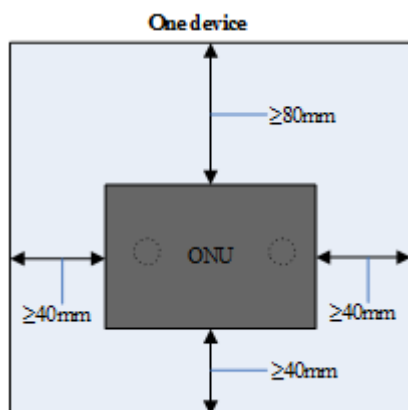
NOTICE

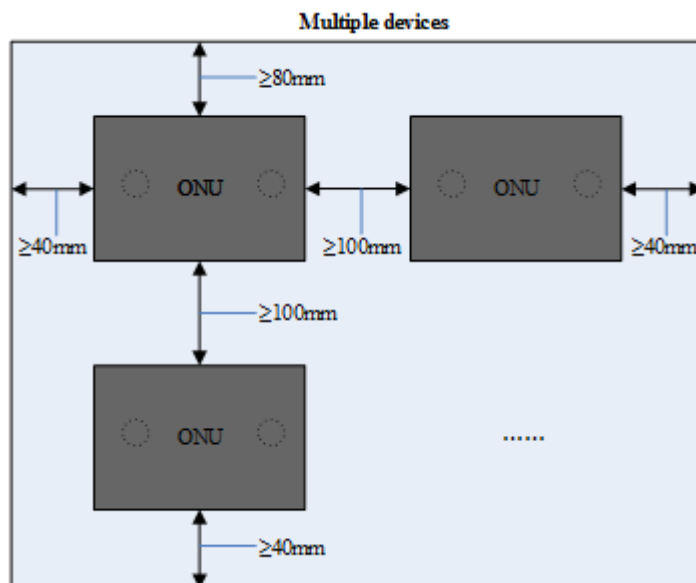
- Huawei OptiXstar F100D-4G is an optical network terminal. F100D-4G is also called ONU for short.
- Do not stack ONUs that are placed horizontally.
- Do not expose the device outdoors.
- It is recommended that adapters and fibers not be vertically installed above ONUs.
- Use the standard power adapter provided by Huawei to supply power to the device. Otherwise, the device may not work properly or security risks may be introduced.

Space for Heat Dissipation

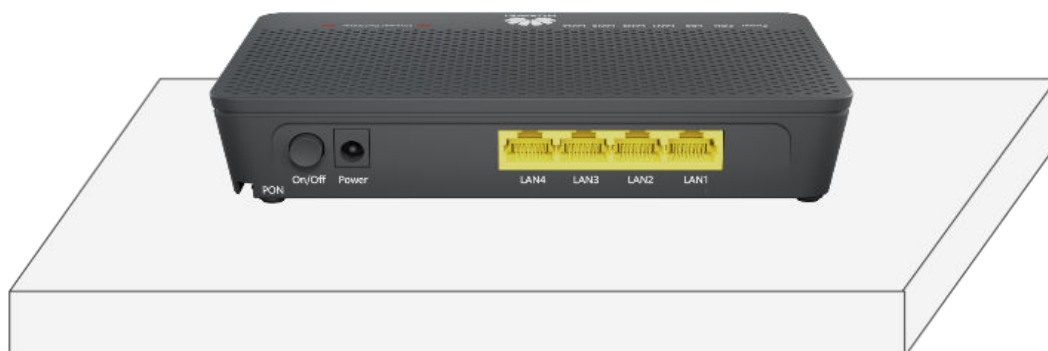
NOTE

- The space requirements for heat dissipation indicated in the following figures are applicable to ONUs desktop flat, wall-mounted and network box installation.
- The heat dissipation sides are not allowed to have any contact with the wall or desktop.





Horizontally Placed on a Desktop



NOTICE

Do not stack products that are placed horizontally on a desktop.

Mounting on the wall

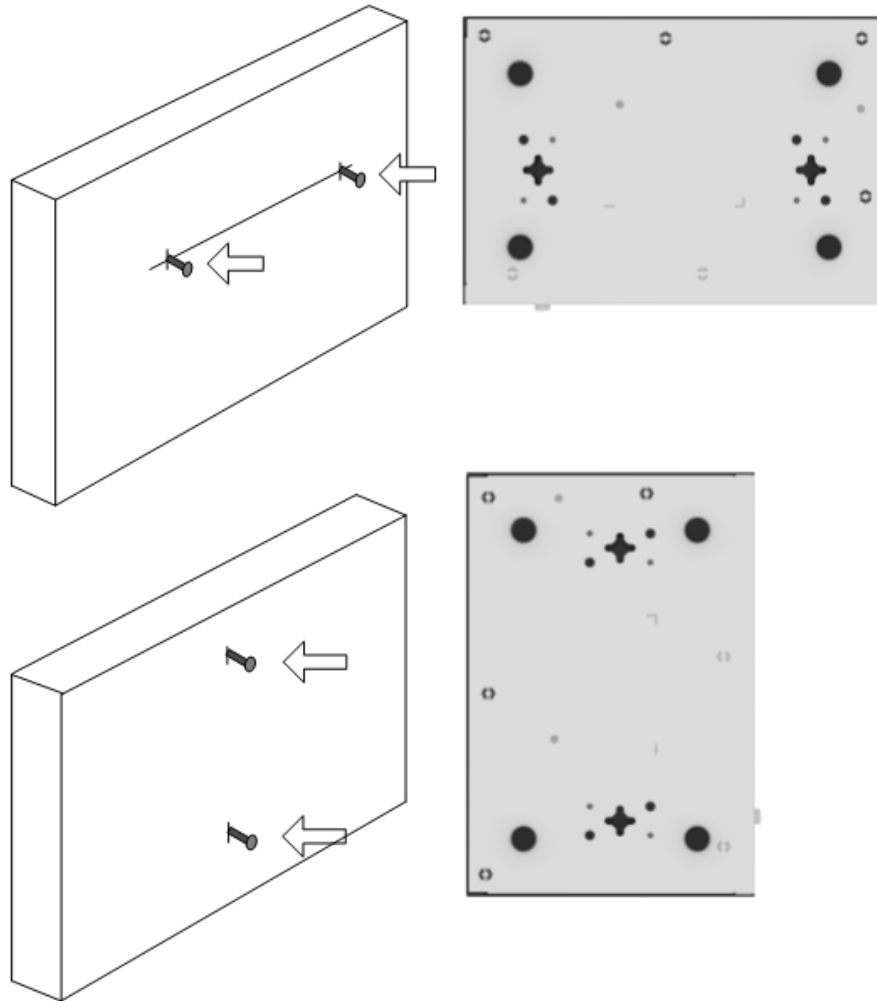
It is recommended that the port be facing down to prevent other objects such as dust from falling in for wall mounting, as shown in the following figure.

1. Mark two positions with the same spacing as that between the two mounting holes of the ONU 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.

NOTE

It is recommended that the screw diameter be less than or equal to 4 mm, the nut diameter be 6 to 8 mm, and the length should not be less than 20 mm.

3. Use a screwdriver to fasten the screws into the expansion bolts, reserving 5 mm ends out of the wall, and mount the ONU onto the screws.



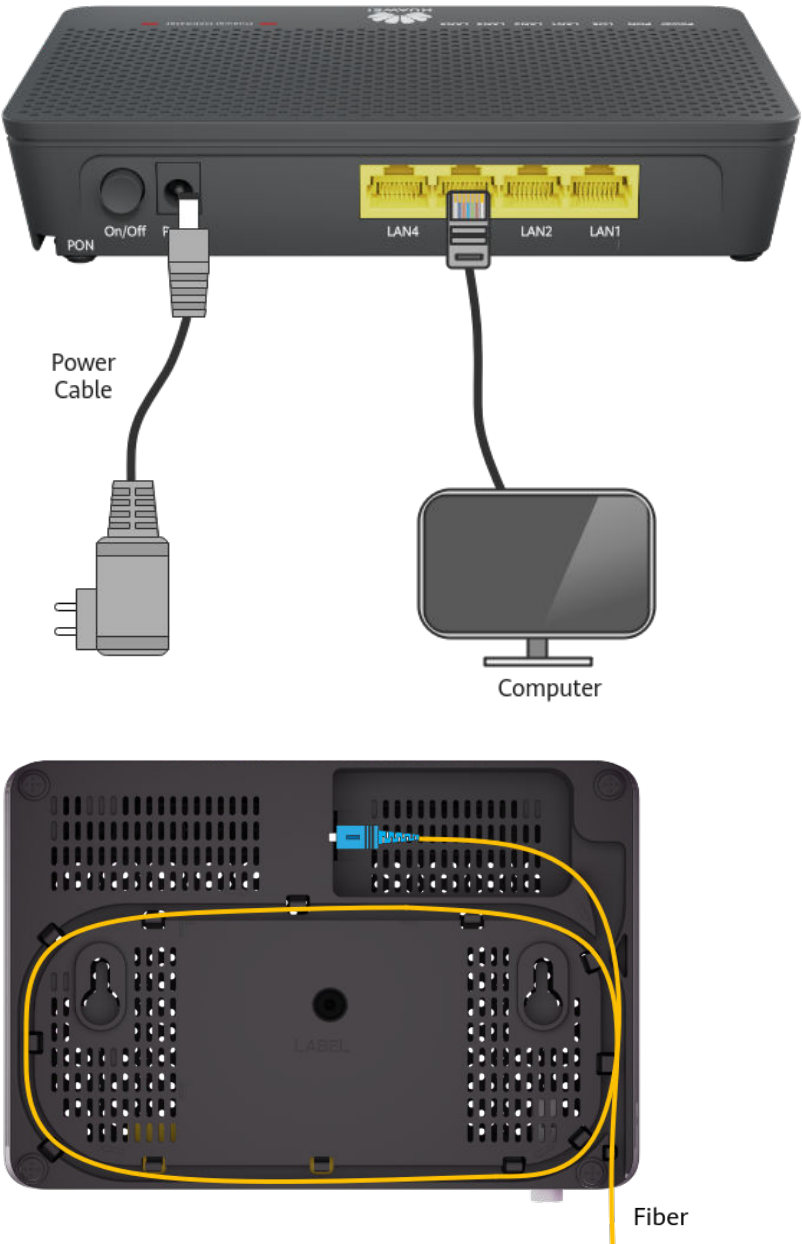
4 Cable Connections

CAUTION

- Do not install PON terminals outdoors or in outdoor cabinets.
 - PON terminals can be placed horizontally on a desktop or mounted on a wall. Do not install PON terminals in other modes, such as mounting PON terminals on a ceiling.
 - A PON terminal cannot be connected to other PON terminals, switches, or routers.
-

NOTICE

The figures in this document may be different from the actual product. The actual product prevails.



5 Indicator

 NOTE

- What can I do if the indicator status is abnormal?
- a. Check whether the corresponding optical port or network port is securely connected.
One end of the fiber connector is located at the rear of a PON terminal, and the other end is located on the wall or in an extra-low voltage (ELV) box.
Note: Do not look into an optical port with naked eyes.
 - b. Restart the ONU.
Power off and then power on the ONU to restart the ONU.
 - c. If the indicator is still abnormal, contact the service provider for help.

Indicator	Status	Description
LAN1-LAN4	Steady on	The Ethernet connection is normal.
	Blinking	The Ethernet port is transmitting or receiving data.
	Off	The Ethernet connection is not set up.
PON, LOS	See the following table.	
Power	Steady green	The device is powered on.
	Off	The device is powered off.

Status ID	Status		Description
	PON	LOS	
1	Blinking rapidly (twice per second)	Off	A PON terminal attempts to set up a connection with its upper-layer device.

Status ID	Status		Description
	PON	LOS	
2	Steady on	Off	A connection is set up between the PON terminal and its upper-layer device.
3	Off	Blinking slowly (once every two seconds)	A PON terminal is not connected with a fiber or does not send optical signals.
4	Off	Steady on	A PON terminal is prohibited by the upper-layer device or the ONU sends optical signals abnormally. Contact the service provider for help.
5	Blinking slowly (once every two seconds)	Blinking slowly (once every two seconds)	The PON terminal hardware is faulty.

 NOTE

Added the one-click indicator blinking function to V500R023C00.

When you use the one-click indicator blinking function on the app, all indicators blink alternately for 2 minutes. In this way, you can find the location of the ONU.

6 Technical Specifications

Item	Specifications
Dimensions (H x W x D)	30 mm x 168 mm x 115 mm
Weight	About 220 g
System power supply	12 V DC, 1 A
Power adapter input	170–240 V AC, 50/60 Hz
Maximum power consumption	4.7 W
Operating temperature	0°C to 40°C
Operating humidity	5%–95% RH, non-condensing

7 FAQs

How Do I Log In to the WebUI of an Optical AP in a MiniFTTO Network?

NOTE

The actual WebUI may be different from the description. The actual WebUI prevails.

Method 1:

After an Optical AP is connected to a MiniFTTO network, an IP address is automatically allocated to the Optical AP. You can use this IP address to access the Optical AP.

NOTE

You can obtain the IP address in either of the following ways:

- Log in to the WebUI of the gateway OLT and choose **System Information > User Device Information** to view the IP address of an Optical AP.
- Check on eSight. The login password is the same as the common user password of the primary gateway.

Method 2:

Log in to the WebUI of the primary gateway, choose **System Information > Network Information**, and click **Click to Login** under the Optical AP icon. The Optical AP WebUI is displayed.

How Do I Configure Optical AP Network Settings in a MiniFTTO Network?

After an Optical AP is connected to a MiniFTTO network, the network settings of the primary gateway are synchronized to the Optical AP. Therefore, no Optical AP configuration is required.

The LOS Indicator Blinks

- If the indicator blinks slowly, check whether the pigtail is properly connected and whether the optical connector is contaminated.
- If the indicator blinks quickly, check whether the ONU transmits optical signals properly.

The PON Indicator Is Off

- Check whether the PON port and fiber are properly connected.
- If the ONU fails to register with the OLT, contact the service provider for help.