

F1001-DC-H1

Quick Start

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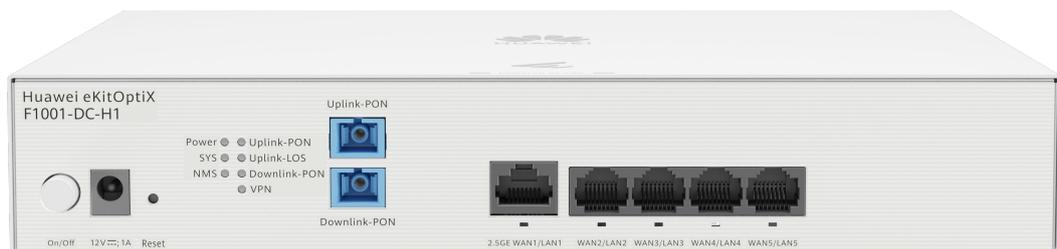
For vulnerability information, enterprise customers can visit the following web page:

<https://securitybulletin.huawei.com/enterprise/en/security-advisory>

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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.
Power	Power interface.
Uplink-PON	Supports upstream optical access.
Downlink-PON	Supports symmetric and asymmetric GPON access.
2.5GE WAN1/LAN1	Connects to a computer, an IP STB, or a router to provide the Ethernet access rate of 10 Mbit/s, 100 Mbit/s, 1000 Mbit/s, and 2500 Mbit/s.
WAN/LAN2~5	Connects to a computer, an IP STB, or a router to provide the Ethernet access rate of 10 Mbit/s, 100 Mbit/s, or 1000 Mbit/s.
Reset	<p>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.</p> <p>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.</p>

2 Device Installation

Huawei eKitOptiX F1001-DC-H1 can be placed horizontally on a desktop or mounted on a wall.

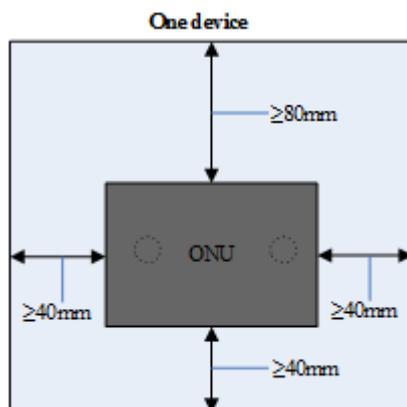
NOTICE

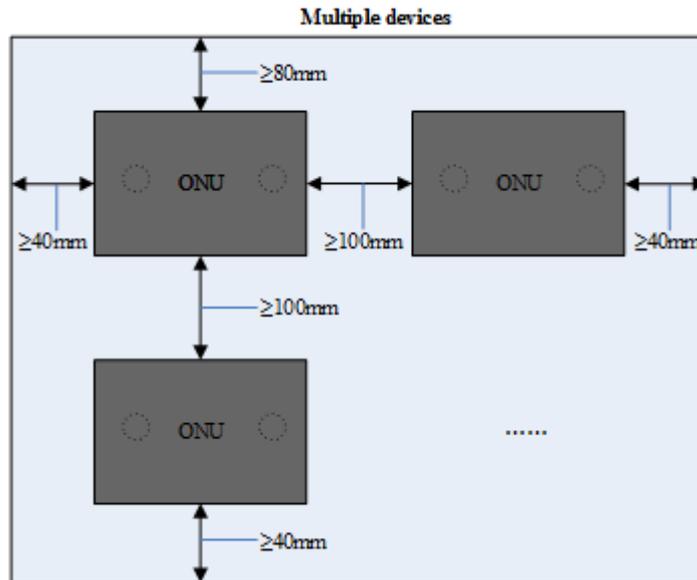
- Do not stack ONUs that are placed horizontally.
- Do not expose the device outdoors.
- It is recommended that adapters and fibers not be vertically installed above ONUs.
- Use the standard power adapter provided by Huawei to supply power to the device. Otherwise, the device may not work properly or 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

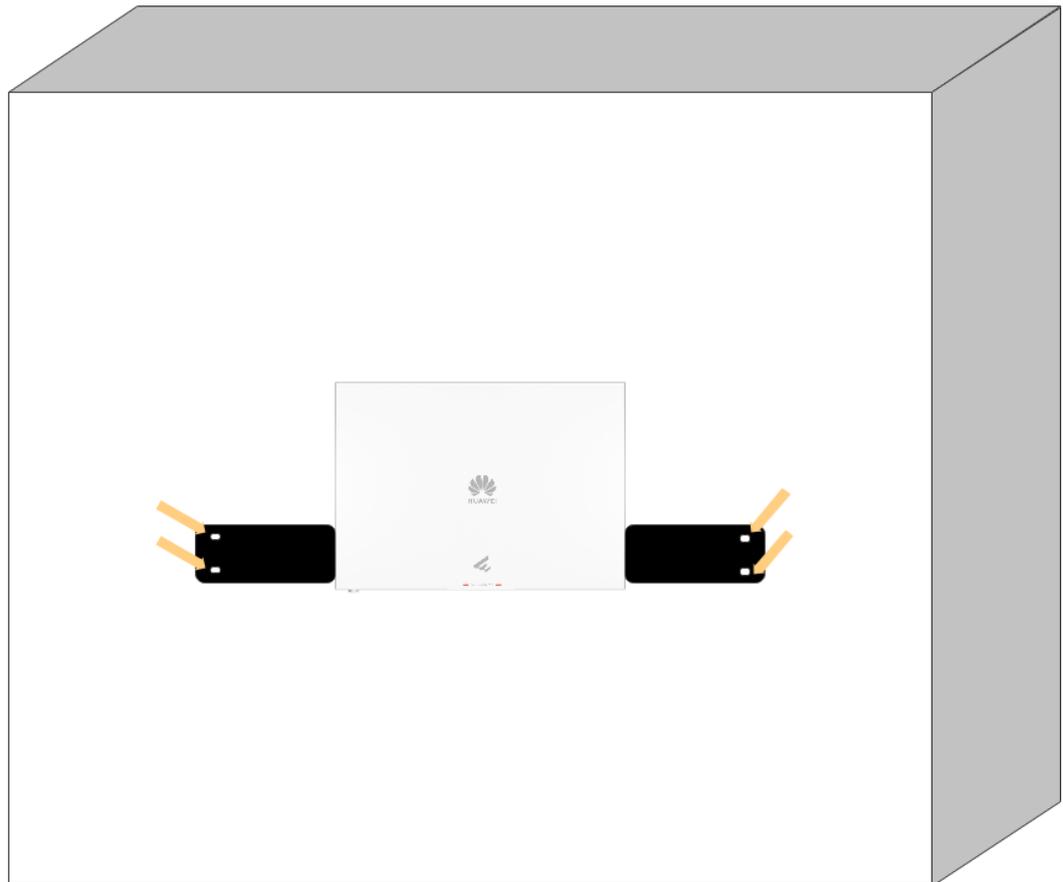
Do not stack products that are placed horizontally on a desktop.

Wall-mounted Installation (Mounting Ears)

Install mounting ears when installing the cabinet on a wall. It is recommended that the ports face downwards to prevent foreign objects, such as dust, from falling into the cabinet, as shown in the following figure.

NOTE

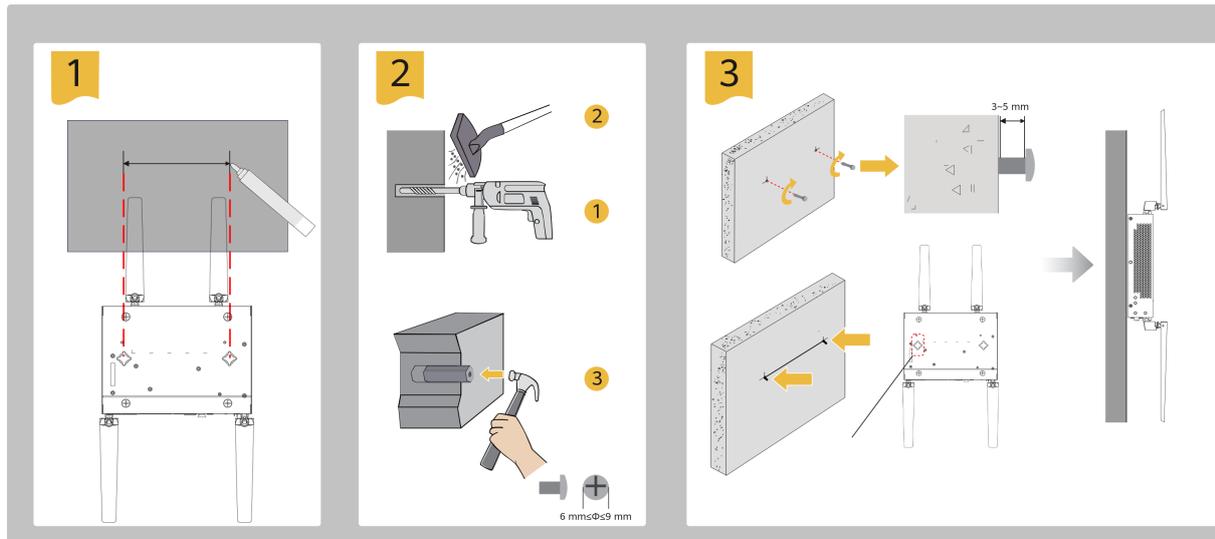
- The device supports mounting ears for both ports and indicators. You can select the mounting ears as required.
- You need to purchase mounting ears by yourself.



Wall-mounted (screwed)

When installing the cabinet on a wall, ensure that the ports face downwards or sideways to prevent foreign objects, such as dust, from falling into the cabinet.

1. Mark the two holes on the wall for installing the ONU, and ensure that the distance between the two holes is the same as the distance between the two holes on the wall.
2. Select a proper drill bit based on the outer diameter of the mounting screws, drill holes in the marked positions using a percussion drill, clean the holes, and install expansion bolts.
3. Use a screwdriver to screw the screws into the expansion bolts until the expansion bolts are exposed with a proper length (3 mm to 5 mm) and then hang the ONU on the screws.

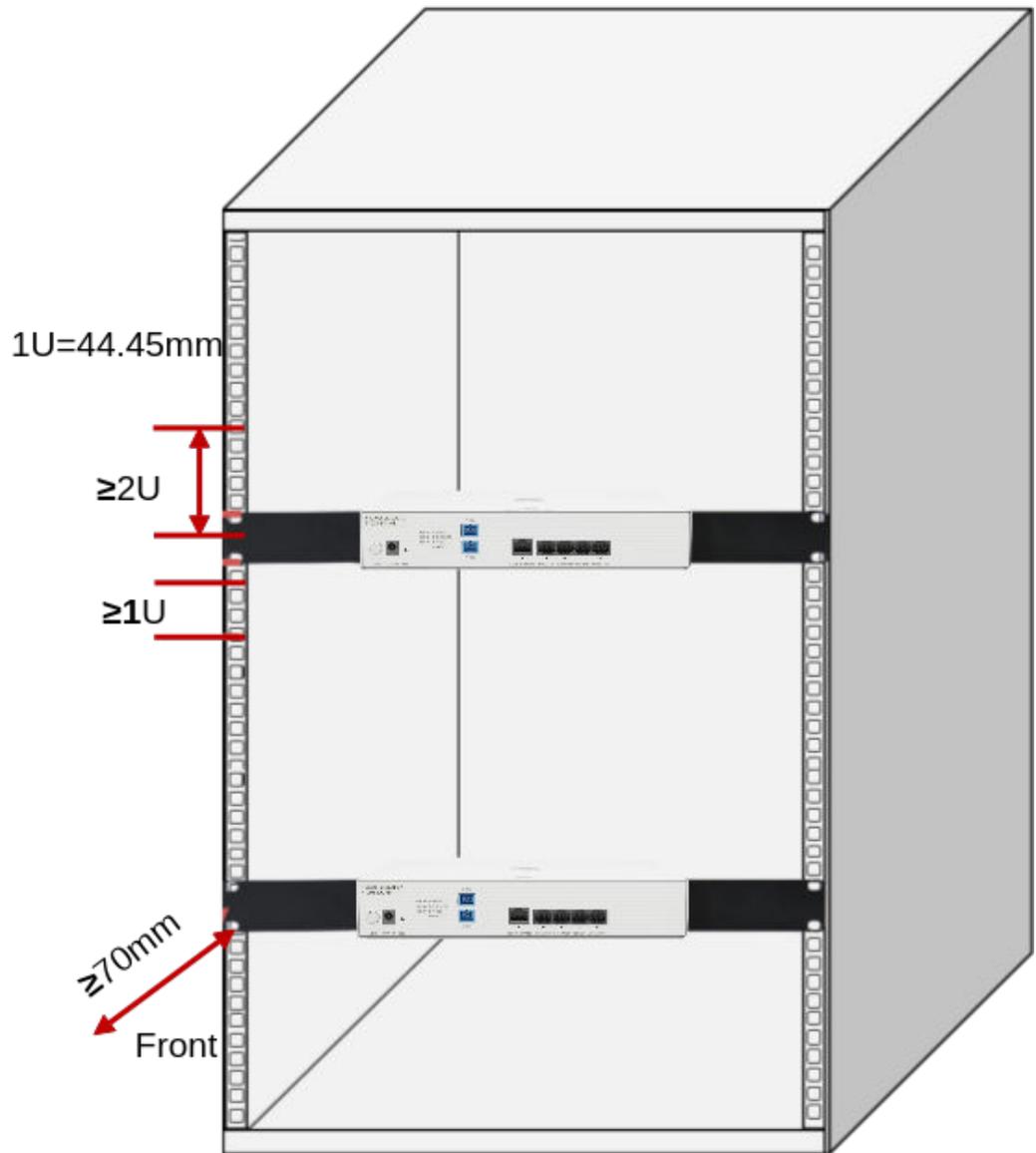


19-inch cabinet installation

Install mounting ears during cabinet installation, as shown in the following figure.

NOTE

- Do not stack the cabinets when installing the cabinets.
- To ensure better heat dissipation, it is recommended that the spacing between the top and bottom of the device be at least 2 U, at least 1 U, and at least 70 mm from the front of the device.



Network box installation

NOTE

- Do not install the ONU in a sealed network box. Ensure that the air inlet and outlet channels of the network box are unblocked to facilitate ONU heat dissipation.
- "IPxx" is the international protection level: the first number is the external solid particle intrusion level, the second number is the waterproof intrusion level.
- Network boxes installed indoors or in corridors where rainwater cannot reach the network must meet the IP31 rating. (The first number "3" indicates that the network box prevents external solid particles 2.5 mm in diameter and larger from entering the network box; the second number "1" indicates that water droplets falling vertically will not cause damage to the equipment.)
- Network boxes installed outdoors or in corridors that are prone to rainwater must meet the IP55 rating. (The first number "5" indicates that the network box cannot completely prevent dust from entering the network box, but the amount of dust that enters the network box will not damage the equipment. The second number "5" indicates that the water that is directed at the network box from any direction will not damage the equipment.)
- The installation mode of the ONU in the network box provided by the customer varies according to the specifications of the network box. The basic installation principle, however, must refer to the reserved space for heat dissipation.

3 Cable Connections

Figure 3-1 F1001-DC-H1 Cable Connection

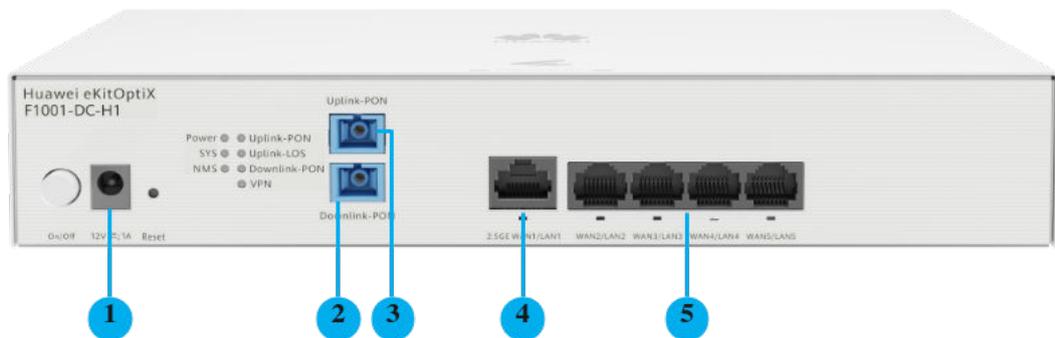


Table 3-1 Cable Connection

No.	Interface	Description
1	Power	Used to connect to the power supply.
2	Uplink-PON	Connect the optical fiber to the optical splitter.
3	Downlink-PON	Connect the upstream optical fiber.
4	2.5GE WAN1/LAN1	Connects to a computer, IP STB, or router to provide the Ethernet access rate of 10 Mbit/s, 100 Mbit/s, 1000 Mbit/s, and 2500 Mbit/s.
5	WAN/LAN2~5	Connects to a computer, an IP STB, or a router to provide the Ethernet access rate of 10 Mbit/s, 100 Mbit/s, or 1000 Mbit/s.

4 Indicator

Indicator	Status	Description
Power	Steady green	Indicates that the power supply is working properly.
	Off	Indicates that the power supply is off or faulty.
Uplink-LOS	Blinking red	Indicates that the receive optical power is lower than the receive sensitivity.
	Off	Indicates that the received optical power is normal.
Uplink-PON	Steady green	Indicates that the device has been activated.
	Green blinking	Indicates that the device is being activated.
	Off	Indicates that the device is not activated.
Downlink-PON	Steady green	The ONU is online and services are running on the corresponding PON port.
	Off	No ONU is online on the corresponding PON port.
SYS	Steady red	Indicates that the device system is faulty.
	Blinking red	Indicates that the system is too busy (the CPU/memory usage exceeds the threshold).
	Steady green	The system is normal, and the connection has been configured and the IP address has been obtained.
	Green blinking	Indicates that the system is normal and the connection is configured but no IP address is obtained.
	Off	Indicates that the network connection is not configured.

Indicator	Status	Description
VPN	Steady green	Indicates that the VPN connection has been established but no service flow exists.
	Green blinking	Indicates that VPN service streams are transmitted.
	Off	Indicates that the VPN connection is not established.
NMS	Steady green	Indicates that the NMS is connected.
	Off	Indicates that the NMS is not connected.
2.5GE WAN1/ LAN1 WAN/ LAN2~5	Steady green	Indicates that the link is connected but no service stream exists.
	Blinking green	Indicates that service flows are transmitted.
	Off	Indicates that the link is not connected.

5 Technical Specifications

Item	Specifications
Power supply	12V, 1A
Power adapter input	170 ~ 240 V AC, 50/60 Hz
Operating ambient temperature	- 5°C -+ 40°C
Humidity of working environment	5% RH to 95% RH, non-condensing

6 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.

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.