

FG630

Quick Start

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1 Device Appearance

The Huawei eKitOptiX FG630 is an edge router (AX3000Mbps Wi-Fi 6 Edge ONT) that supports dual-band Wi-Fi 6. It provides users with gigabit broadband access using Ethernet/Wi-Fi uplink technologies.



 NOTE

- The appearances shown in this document may differ from the actual appearances of the products. The actual products prevail.
- The device can only be used indoors. It can be placed horizontally on a desktop. Do not install it in other modes, such as on the ceiling.
- Install the device only by a trained technician. Do not install the device without permission.

During device installation, the installation technician needs to inform the user of how to log in to the web configuration page of the device and scan the QR code to view the Quick Start documentation. The IP address, login user name, and password of the web configuration page need to be provided to the user.

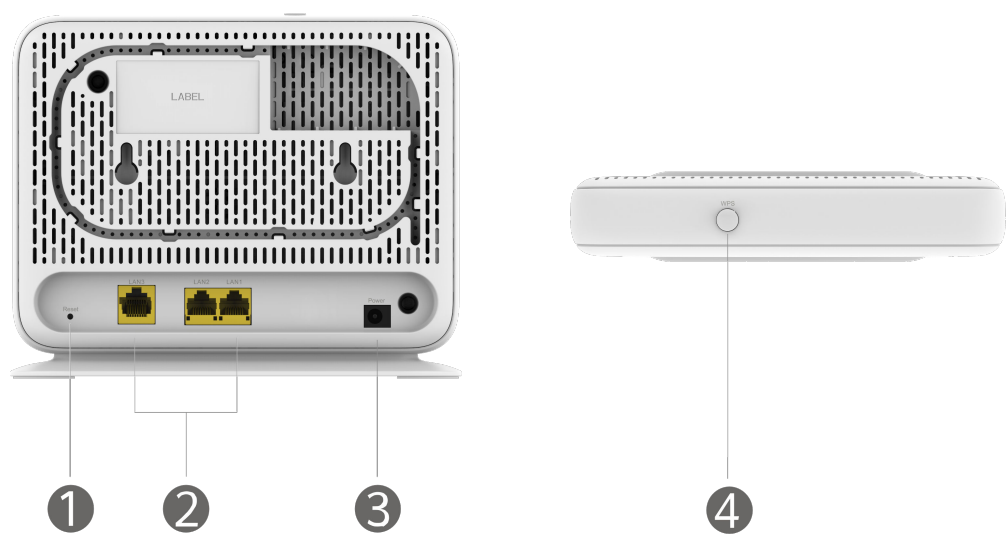
- Keep a clearance of more than 10 cm around the device to ensure proper ventilation.
- Keep the device away from electric appliances that generate strong magnetic or electric fields, such as microwave ovens.
- Do not use cleaners, gasoline, ammonia, or other corrosive chemicals to clean the device.
- The tools and auxiliary materials that are not delivered with the device must be prepared by a trained technician.
- Before using the device, read [Safety Information](#) carefully. Follow these precautions and instructions to ensure optimal device performance and to avoid danger and legal or regulatory violations

2 Description of Indicator

There is an indicator on the front panel of the device.

Status	Description
White: steady on	Internet access is available.
Red: steady on	Internet access is unavailable. • The edge ONT is being powered on. • The edge ONT is not connected to the upstream gateway.
Red: Blinking slowly (once per second)	The edge ONT has detected a device that can be paired.
Red: Blinking quickly (twice per second)	The edge ONT is being paired with Huawei gateway in one-click mode.
	The edge ONT is performing WPS pairing.

3 Description of Ports or Buttons



- There is a row of ports/buttons at the rear of the device. The ports/buttons are displayed from left to right: **Reset, LAN3, LAN2, LAN1, Power** (Corresponds to No. 1 and No. 3 in the following table).
- The **WPS** button is located on the left of the device (Corresponds to No. 4 in the following table).

No.	Port/button	Description
1	Reset button	When the FG630 is starting, use a needle-shaped object to press and hold this button for more than 2 seconds until indicator turns off. After the device restarts and the indicator turns on, the factory settings are restored. NOTE Exercise caution when pressing the button. If you cannot access the Internet after the device is restored to factory settings, contact your service provider for help.

No.	Port/button	Description
2	Network ports NOTE Network ports are displayed from left to right: LAN3, LAN2, LAN1	The port is auto-negotiated to a LAN port when connected to a computer or STB, and to a WAN port when connected to the LAN port of an Internet gateway.
3	Power	Connects to the power adapter.
4	WPS	Enables the WPS pairing function.

4 Network Expansion

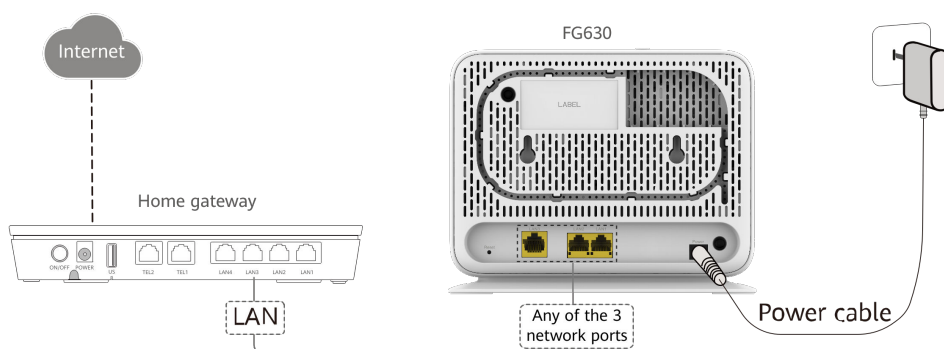
4.1 Wired Network Expansion

If you have a wired network but have no Wi-Fi at home, you can connect the FG630 to the wired network using a network cable to set up a Wi-Fi network.

NOTICE

This section assumes that there is no Wi-Fi in your home. If you have a Wi-Fi network at home, you can also refer to this section to expand the network.

1. Connect cables.
 - a. Use a network cable to connect the any of the 3 network ports of FG630 and the **LAN** port of the home gateway.
 - b. Connect the FG630 power cable to a nearby power outlet.

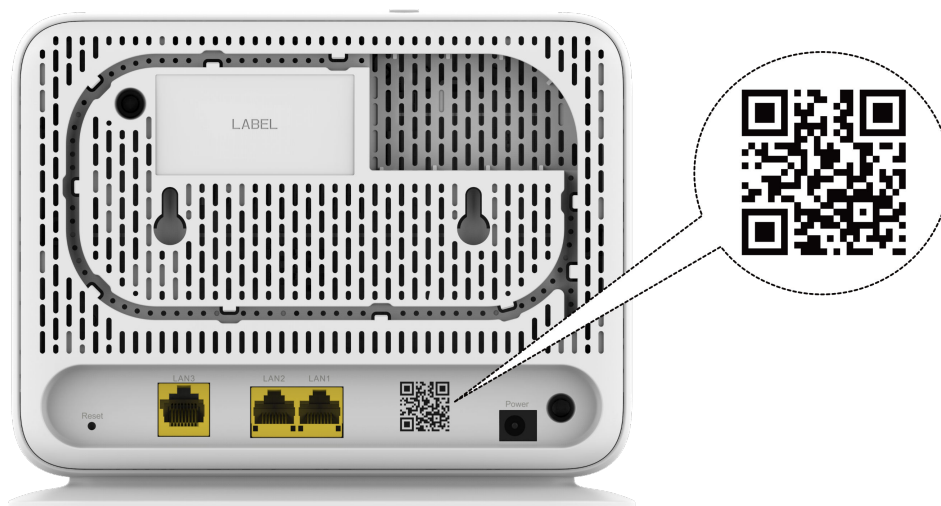


NOTE

If your home gateway is a Huawei smart gateway (consult your device provider for more information), the Wi-Fi SSID and password of the gateway will be automatically synchronized to the FG630, and there is no need to reset the Wi-Fi parameters of the FG630.

2. Set Internet access and Wi-Fi parameters for the FG630.

- a. Connect a mobile phone or computer to the FG630 Wi-Fi. For the Wi-Fi name and password, see the **SSID** and **WLAN Key** on the device nameplate.
- b. Scan the QR code on the rear of the FG630 using a mobile phone or open the browser and enter the IP address (see the nameplate at the rear of the FG630).



- c. Enter the login username and password (see the nameplate at the rear of the FG630).

The FG630 will automatically detect your Internet access mode.

NOTE

If the device detects that the Internet access mode is dial-up, you need to enter the broadband account and password. If you forget the broadband account and password, contact your ISP to retrieve the account and password.

- d. Set the Internet access mode and its corresponding information on the **Internet Access** page.
- e. Modify the Wi-Fi SSID and password on the **My Wi-Fi** page, and reconnect to the new Wi-Fi to access the Internet.

4.2 Wireless Network Expansion

When you already have Wi-Fi in your home and need to expand the Wi-Fi coverage, you can use the **WPS** button to connect the FG630 to the existing Wi-Fi network.

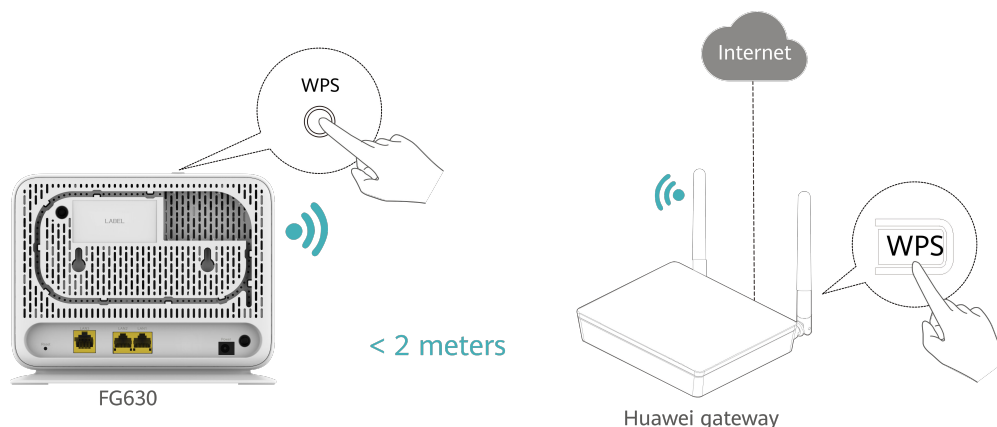
NOTICE

- This section assumes that your home network supports WPS features. If your home network does not support WPS features, you can log in to the FG630 web page to configure parameters and expand Wi-Fi.
- Three-level Wi-Fi cascading is not allowed on the FG630 network. A maximum of two-level Wi-Fi cascading is supported. One-level Wi-Fi cascading is recommended.

WPS Pairing Operation (Used Together with a Huawei Gateway*)

* indicates the FG630 or a Huawei gateway that supports SmartLink (for details, contact the service provider).

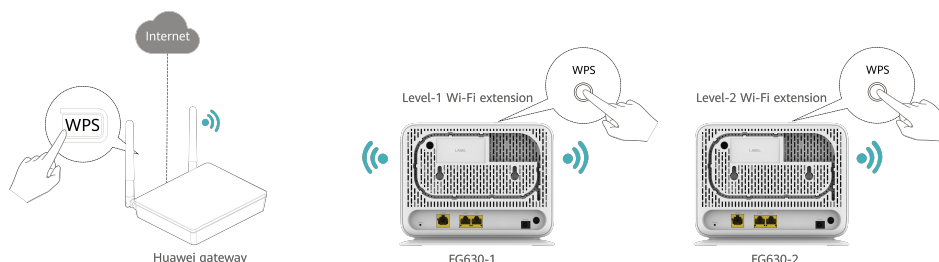
1. Place the FG630 close to the home gateway (within 2 meters) and power it on.
2. After the FG630 starts up, press and hold the **WPS** button of the FG630 and the **WPS** button of the home gateway for 3 seconds in turn within 2 minutes.



NOTE

The indicator of the FG630 blinks during the pairing.

3. After the indicator of the FG630 turn steady white, the FG630 is connected to the Internet.
4. Move the FG630 to a room where you need to expand Wi-Fi and power it on. After the indicator turns steady white, Wi-Fi is expanded successfully.
5. Configuring Level-2 Wi-Fi Extension.
 - a. Place the second FG630 (FG630-2) close to the first FG630 (FG630-1) (within 2 meters) and power it on.
 - b. Within 2 minutes, press and hold the **WPS** buttons of the FG630-1 and FG630-2 for about 3s. If the FG630-1 blinks red and the FG630-2 blinks red, two APs are pairing. When the FG630-1 and the FG630-2 indicators change to steady white, the FG630-2 is connected to Wi-Fi and level-2 Wi-Fi extension is successful.

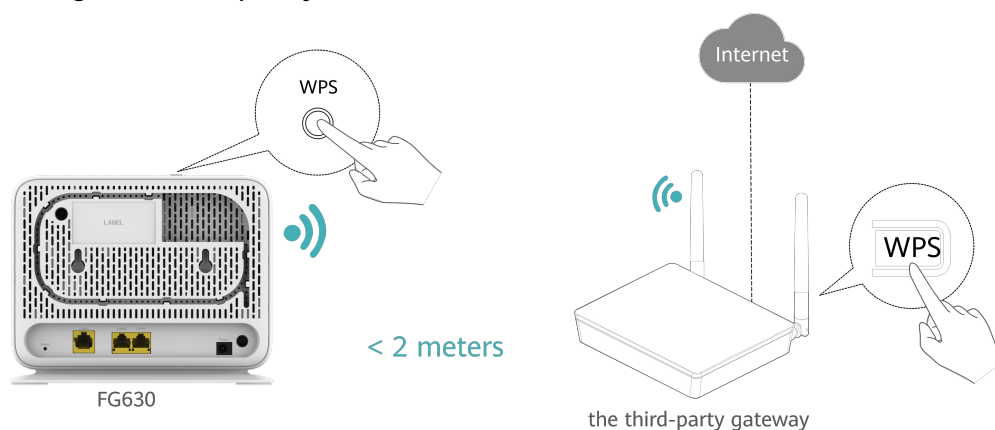


 NOTE

If your home gateway is a Huawei smart gateway (consult your device provider for more information), the Wi-Fi SSID and password of the gateway will be automatically synchronized to the FG630. Otherwise, use the Wi-Fi SSID and password of the FG630 (see the nameplate at the rear) to access the Internet.

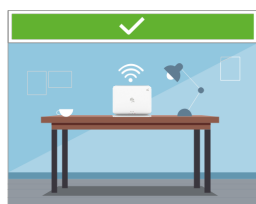
WPS Pairing Operation (Used Together with a Third-party Gateway*)

1. Place the FG630 close to the third-party gateway (within 2 meters) and power it on.
2. After the FG630 starts up, the third-party gateway can discover the FG630, and the WPS indicator of the third-party gateway blinks slowly.
3. Press the **WPS** button of the FG630 for about 3 seconds until the indicator blinks quickly.
4. Press the **WPS** button of the third-party gateway once (contact the service provider for the operation of the third-party gateway). The WPS indicator changes to blink quickly.

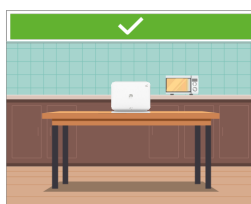


5. After the indicator of the FG630 turns steady white, the FG630 is connected to the Internet.
6. Move the FG630 to a room where you need to expand Wi-Fi and power it on. After the indicator turns steady white, Wi-Fi is expanded successfully.

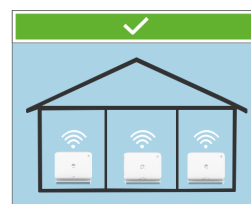
Layout Principles



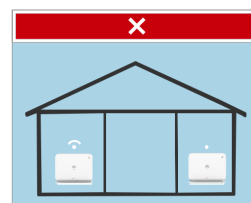
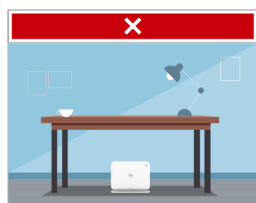
Place the device on desktops instead of on the floor.



Place the device far away from interference sources, such as microwave ovens and refrigerators.

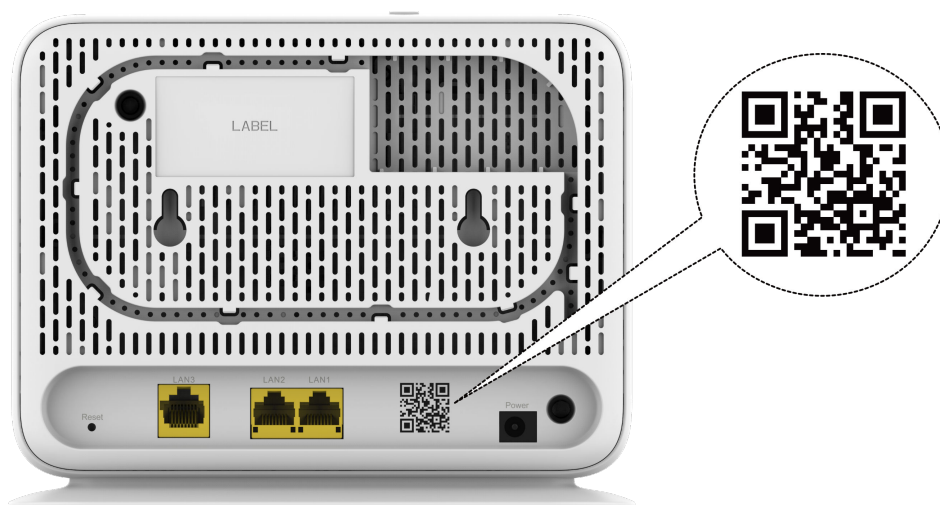


No more than one wall is allowed between devices.



Wi-Fi Parameters Configuration

1. Connect a mobile phone or computer to the FG630 Wi-Fi. For the Wi-Fi name and password, see the **SSID** and **WLAN Key** on the device nameplate.
2. Scan the QR code on the rear of the FG630 using a mobile phone or open the browser and enter the IP address (see the nameplate at the rear of the FG630).



3. Enter the login username and password (see the nameplate at the rear of the FG630).

NOTE

If the login username and password are synchronized from those of a gateway or router, enter login username and password of the gateway or router as prompted.

4. Modify the Wi-Fi SSID and password on the **My Wi-Fi** page, and reconnect to the new Wi-Fi to access the Internet.

NOTE

If the Wi-Fi name and password are synchronized from those of a gateway or router, and there is no need to reset the Wi-Fi parameters of the FG630.

5 Technical Specifications

Project	Specifications
Dimensions (H x W x D)	140 mm × 188 mm × 35 mm (excluding the base)
Weight (excluding adapter)	About 331 g
Rated power supply	Powered through a power adapter. For details, see the product nameplate.
Operating Ambient Temperature	0°C–40°C
Operating ambient humidity	5% to 95%, non-condensing
Storage temperature and humidity	Compliant with ETSI EN 300 019-1-1 Class 1.2

NOTE

The valid storage period of the product is nine months. The valid storage period refers to the period during which the product can be stored in a storage environment that meets the ETSI EN 300 019-1-1 Class 1.2 standard without performance degradation.

6 FAQs

NOTE

- You can query the running status of each module and function on the web page.
- If a fault occurs when you use the device and the fault persists, contact the customer service center of your carrier.

6.1 What can I do if a problem occurs when I set the Internet access mode in a wired network expansion scenario?

You can check the indicator status of the Huawei eKitOptiX FG630. If the indicator is steady red, Internet access is unavailable.

1. Cannot find the Wi-Fi of the edge ONT: Ensure that the device is powered on. Wait for a moment. After the device is started, scan for the Wi-Fi again.
2. Cannot access the configuration page: Ensure that the mobile phone is connected to the Wi-Fi network of the device and enter the IP address in the address box of a browser. (For details about the IP address, see the product nameplate.)
3. Cannot access the Internet after the settings: Ensure that the home gateway connected to the device can access the Internet. If a network cable is connected, ensure that network cable is connected securely.

6.2 How to restore the factory settings of an edge ONT?

Press and hold the **Reset** button of the device for more than 2 seconds using a needle, and release the button after the indicator turns off. After the device restarts and the red indicator turns on, the factory settings are restored.

NOTE

After the device is restored to factory settings, the device configuration parameters are cleared and need to be reconfigured.

6.3 Does the edge ONT support 5GHz Wi-Fi? How to connect to the 5GHz Wi-Fi?

Yes. The device supports 5GHz Wi-Fi. By default, the 2.4GHz/5GHz Wi-Fi names are the same. The device automatically connects to an optimal frequency band. To fix the connection to the 5GHz frequency band, disable the Dual-Band Steering as follows:

1. Connect a mobile phone to the Wi-Fi network of the edge ONT.
2. Enter the IP address in the address box of a browser and press **Enter**. (For details about the IP address, see the product nameplate.)
3. On the displayed login page, enter the login username and password as prompted.
4. Choose **My Wi-Fi** and turn off **Dual-band Combination**. Then, two Wi-Fi names are displayed. Connect to the Wi-Fi with the suffix _5G.

6.4 How to change the Wi-Fi name and password of an edge ONT?

1. Connect a mobile phone to the Wi-Fi network of the edge ONT.
2. Enter the IP address in the address box of a browser and press **Enter**. (For details about the IP address, see the product nameplate.)
3. On the displayed login page, enter the login username and password as prompted.
4. Choose **My Wi-Fi** on the web page, and change the Wi-Fi name and password.

NOTE

If the Wi-Fi name and password are synchronized from those of a gateway or router, see the changing method described for the gateway or router.

6.5 How can I retrieve my Wi-Fi password?

1. Use a network cable to connect the network port of the edge ONT to a PC.
2. Enter the IP address in the address box of a browser and press **Enter**. (For details about the IP address, see the product nameplate.)
3. On the displayed login page, enter the login username and password as prompted.
4. Choose **My Wi-Fi** on the web page, click  after **Wi-Fi Password** text box to view the Wi-Fi password.

6.6 How can I retrieve my login password?

1. Restore the factory settings of an edge ONT.

Press and hold the Reset button of the device for more than 2 seconds using a needle, and release the button after the indicator turns off. After the device restarts and the red indicator turns on, the factory settings are restored.

2. Enter the IP address in the address box of a browser and press **Enter**. (For details about the IP address, see the product nameplate.)
3. Follow the guide to set administrator login password.

7 Accessibility Statement

Hereby, Huawei Technologies Co., Ltd. declares that the product meets the directive (EU)2019/882.

The product is designed and developed with accessibility considerations, and meets the accessibility requirements to enable their use by persons with disabilities.

- Web:
 - On the home page of the product web page, there is a switch for the accessibility mode. After you turn on the switch and log in as a common user, you can access the web page in accessibility mode.
 - The web page in accessibility mode provides basic functions for people with a disability, including user password change, restart/reset, service running status query, and WLAN parameter setting.
 - The web page meets requirements of the directive (EU) 2019/882 on web pages, and complies with the WCAG 2.2 Success Criterion in terms of web reflow, color contrast, text resizing, contrast between texts and images, text spacing, and so on.
- Documentation:
 - Product documents are provided in electronic formats, so that people with visual impairment can read the documents online.
 - The product documentation describes how to activate and use the accessibility mode.
 - The product documentation describes the meanings of indicator colors and blinking status, and the relative positions and functions of each port and button, so that people with visual impairment can use the product properly.

We will continue to improve our products to adapt to the latest technologies and changes in user requirements, and provide users with accessibility functions and services.