ZTE中兴

ZXHN F600
GPON ONT
User Manual

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CE0197

1 Safety Precautions

Usage Cautions

- Read all the safety cautions carefully before using the device.
- Only use the accessories included in the package, such as power supply adapter.
- Do not extend the power cord, otherwise the device will not work.
- The power supply voltage must meet the requirements of the device input voltage (The voltage fluctuation range is less than 10%).
- Keep the power plug clean and dry to prevent any risk of electric shock or other dangers.
- Disconnect all the cables during a lightning storm to prevent the device from damage.
- Power off and unplug the power plug when the device is not in use for a long time.
- Do not attempt to open the covers of the device. It is dangerous to do so when the device is powered ON.
- Do not directly stare at the optical interface to prevent any eye injuries.
- Power off and stop using the device under the conditions such as, abnormal sound, smoke, and strange smell. Contact the service provider for maintenance if the device is faulty.

NOTE ***Note:***

The users should read the usage cautions above carefully and will be responsible for any incident resulting from the violation of the above cautions.

Environment Requirements

- Ensure proper ventilation to the device. Place the device away from direct sunlight and never spill any liquid on the device.
- Do not place any object on the device to prevent any deformation or damage to the device.
- Do not place the device near any source of heat or water.
- Keep the device away from any household appliances with strong magnetic or electric fields, such as microwave oven and refrigerator.

Cleaning Requirements

- Before cleaning, power off the device, and unplug all the cables connected to the device, such as power cable, optical fiber, and Ethernet cable.
- Do not use any liquid or spray to clean the device. Use a soft dry cloth.

Environment Protection

- Do not dispose the device or battery improperly.
- Observe the local regulations about the equipment disposal or treatment.

RF exposure information: The Maximum Permissible Exposure (MPE) level has been calculated based on a distance of d=20 cm between the device and the human body. To maintain compliance with RF exposure requirement, a separation distance of 20 cm between the device and the human should be maintained.

2 Package Content

Please make sure the ZXHN F600 package contains the following items.

Item	Name	Quantity
	ZXHN F600 unit	**One**
	AC-DC power supply adapter	**One**
	RJ-45 Ethernet cable	**One**

Note:

A socket outlet that is installed near equipment and that shall be easily accessible.

One *ZXHN F600 GPON ONT User Manual* is delivered with the product.

If any of the items included in the package is incorrect, lost or damaged, please contact your service provider. If you need to replace the product, please keep the package and all the items in good condition.

3 Indicator

Figure 3-1 shows the indicators on the front panel of the ZXHN F600 unit.

Figure 3-1 Indicators of the ZXHN F600 Unit

Table 3-1 describes the indicators on the front panel of the ZXHN F600 unit.

Table 3-1 Indicators on the Front Panel

Indicator	Status	Description
Power	Off	No power
	Solid green	Power on
PON	Off	The ONT registration fails or the system is not powered on.
	Solid green	The ONT registration is successful.
	Flashing green	The ONT is being registered.
LOS	Off	The ONT received optical power is normal.
	Solid red	The optical transmitter of the PON interface is powered off.
	Flashing red	The ONT received optical power is lower than the optical sensitivity of the receiver.

Indicator	Status	Description
Internet	Off	The device is not powered on or the ethernet connection does not exit.
	Solid red	The internet connection has been established.
	Flashing red	The data is transmitted via internet connection.
LAN1 – LAN4	Off	The device is not powered on or the network link is not established.
	Solid green	The network link has been established but no data is being transmitted or received.
	Flashing green	Data is being transmitted or received.

4 Interface

Figure 4-1 shows the interfaces and buttons of the ZXHN F600 unit.

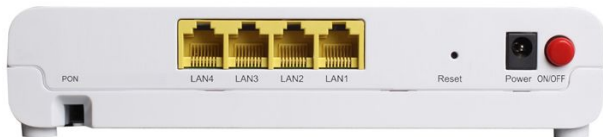Figure 4-1 Interfaces and Buttons

Table 4-1 describes the interfaces and buttons on the back panel of the ZXHN F600 unit.

Table 4-1 Descriptions of the Interfaces and Buttons on the Back Panel

Interface/Button	Description
ON/OFF	Power switch.
Power	12 V DC power connector.
Reset	Reset button, when the power is on, use a needle to press the button for over 5 seconds to restore the default settings.
LAN1 – LAN4	RJ-45 Ethernet interface.
PON	PON interface.

5 Product Features

Interfaces

- GPON interface: GPON standard, SC/APC, comply with ITU G.984.1–G.984.5 standards
- Ethernet interface: Four GE interfaces, RJ-45, comply with IEEE 802.3 and IEEE 802.3u standards

Technical Features

- Broadband service access: Connected to Internet through the GPON access method.
- Ethernet service access: Provides GE Ethernet interfaces, connected to the Ethernet devices, such as the user PC. Provides the Internet access and IPTV services.
- Security: Provides multi-level authentication based on the device, user and service, and provides the data channel encryption for safety.
- QoS: Provides QoS services meeting the requirements of various services for the local devices and network
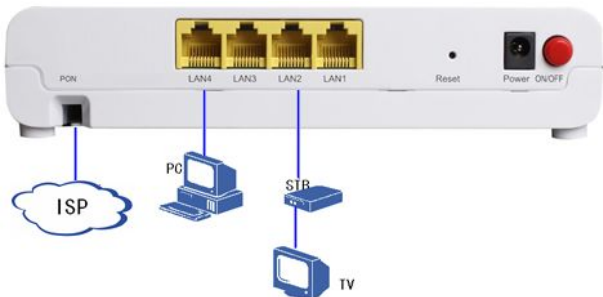- Network management: Provides multi-mode network management.

6 Technical Specification

Item	Specification
Dimension	180mm × 125mm × 36mm (Width × Depth × Height)
Rated current	1 A
Rated voltage	12 V DC
Operation temperature	0℃ to 40℃
Operation humidity	5% – 95%

7 Cable Connection

Figure 7-1 shows the devices that are connected to the ZXHN F600 device.

Figure 7-1 Entire Connection

After the devices are connected to the ZXHN F600 device, press the power button. When the corresponding indicators on the front panel are ON, you can enjoy various services provided by the service provider.

8 Troubleshooting

The Power indicator on the front panel is off after the power button is pressed.

The power adapter is not correctly connected to the device. Be sure to use the power adapter supplied with the device.

The LOS indicator is flashing red or solid red after the device is powered on.

- The optical fiber is not correctly connected to the ONT PON interface.
- The optical fiber is broken or damaged.
- If the indicator is solid red or keeps flashing, please contact the service provider for maintenance.

The PON indicator on the front panel is off or flashing green after the device is powered on.

- The GPON link is not established.
- The ONT is not registered.
- Please contact the service provider for help.

The green LAN indicator on the front panel is off after the device is powered on.

- The corresponding LAN link is not established.
- The Ethernet cable is not correctly connected to the LAN interface.
- The network device connected to the LAN interface is not powered on.

合格证
CERTIFICATION

检验员
CHECKER

日期
DATE

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