

Gigabit Bridge GPON ONT

ZXHN F601



Product Highlights

- Compact and Elegant enclosure for wall-mounted and desk free-standing deployment
- Bridging-only mode for FTTH/O scenario, and conjunction with separate RGW device to provide triple-play services

Overview

The ZXHN F601 is a Gigabit bridge GPON ONT , which features a 10/100/1000Mbps auto-sensing LAN Port in a stylish yet compact enclosure for indoor use. It is ideal for FTTH or small business deployments in bridge mode and also operates well in conjunction with separate RGW devices to provide flexible triple-play services.

Features



Flexible Deployment

■ Compact Enclosure

With compact enclosure and elegant design, F601 may be wall mounted inside the home or placed free-standing on a desktop.

■ Flexible Networking

With one 10/100/1000M auto-sensing Ethernet port, F601 is suitable for FTTH/O application in bridging-only mode where high-speed data must be transported reliably. Meanwhile it can also network with RGW to deliver triple-play service to increase ARPU and subscriber stickiness in highly competitive environments.

■ Easy Operation and Maintenance

The F601 supports batch-update, fault diagnosis, interface loop back checking and loop routes checking remotely by OMCI. It supports flexible authentication modes for zero-touch service provisioning. In this way, ONT is plug and play, and easy to be changed quickly. The operation and maintenance is much easier.

■ GPON and XG-PON Coexistence

ITU-T G.984.5 has defined the WBF(Wavelength Block Filter) feature to coexist with XG-PON ONT within one ODN network and one feed fiber. Now the optical modules installed in ZXHN F601 have integrated with WBF feature for future-proof evolution.



Incredible Fiber Accessing

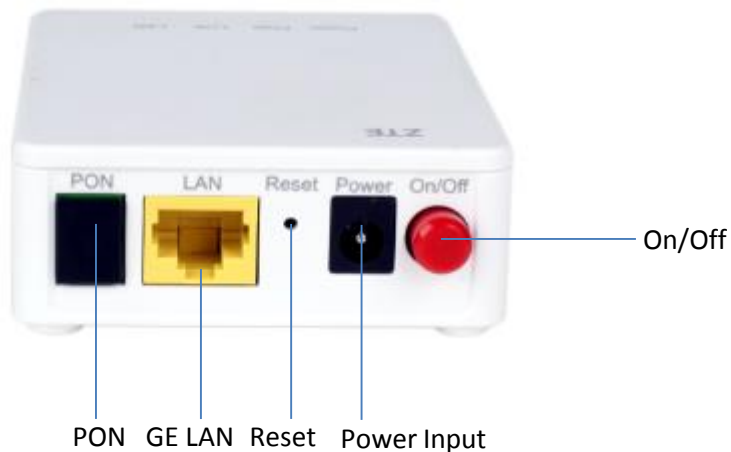


Robust Management

Technical Specifications

Hardware	
Interfaces	<ul style="list-style-type: none"> • 1 GPON Optical interface • 1 RJ-45 port for Gigabit Ethernet interface
Buttons	<ul style="list-style-type: none"> • Power On/Off • Reset
LEDs	<ul style="list-style-type: none"> • Power, PON, LOS, ALARM, LAN
Software	
QoS	<ul style="list-style-type: none"> • Flexible packet classification • Up to eight queues • SP/WRR/SP+WRR • Ingress rate limit • Egress shaping
Security	<ul style="list-style-type: none"> • Traffic filtering based on UNI port, VLAN ID, 802.1p, UNI+802.1p or VLAN+802.1p • DoS attack defending • Multiple VPN (IPSec, PPTP) passthrough • MAC address filtering • Broadcast/ Unicast/ Multicast attack protection • Broadcast packet rate limit • Dual image for firmware auto rollback
Management	<ul style="list-style-type: none"> • OMCI management • WEB GUI management • Local built-in diagnostic function • Logs and statistics • Remote upgrade by HTTP
Others	
Electrical Characteristics	<ul style="list-style-type: none"> • Power input: 12V DC • Power consumption: less than 2.5W
Physical Characteristics	<ul style="list-style-type: none"> • Net weight: 86.6g • Dimensions: 90x70x26mm
Environmental Characteristics	<ul style="list-style-type: none"> • Operating Temperature: 0°C ~ 40°C (32°F ~ 104°F) • Humidity: 5% ~ 95% (non-condensing)
Certification	<ul style="list-style-type: none"> • CE certification

Connection Diagram



Application Scenario

