

AX3000 XGS-PON FTTR Main ONT

ZXHN G8605



2.5GE LAN



802.11ax



FTTR



Cloud Management

The ZXHN G8605 is an AX3000 dual-band XGS-PON gateway, supporting 160MHz@5GHz. It is well suited to Fiber To The Room(FTTR) scenario. It has one 2.5 GE port, three GE LAN ports, one phone port, two USB ports and one RoomPON port. It can form a mesh network with a maximum of **16 FTTR APs** to realize **whole-home gigabit+ Wi-Fi coverage**.

High Speed Broadband Access

- Up to 10Gbps symmetrical data rate for ultra high speed broadband access.
- One 2.5GE and three GE ports provide a better video and gaming experience.

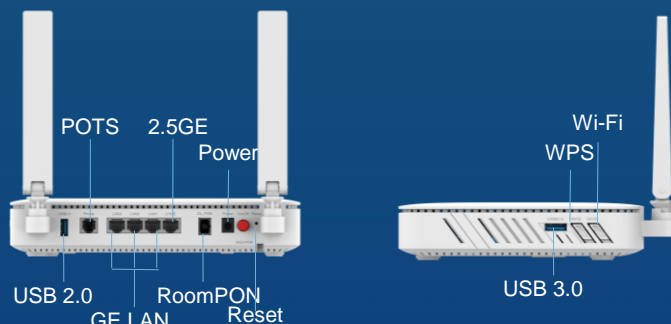
Ultimate Wi-Fi Experience

- Dual-band speed up to 3000Mbps.
- 160MHz@5GHz.
- DL/UL MU-MIMO, OFDMA, and beamforming bring better concurrency and higher efficiency.

Powerful In-house ZTE Chips

- 4-core ARM Cortex-A53 and independent NP architecture.
- Secure boot: independent hardware security engine and chip-level security authentication.

Specifications



Dimensions: 220*145*41 (mm)

WAN	<ul style="list-style-type: none"> • XGS-PON
LAN	<ul style="list-style-type: none"> • 1 * 2.5GE port • 3 * GE RJ-45 ports • 1 * FXS RJ-11 port • 1 * USB2.0 port • 1 * USB3.0 port • 2 x 2 802.11ax Wi-Fi @ 2.4GHz • 2 x 2 802.11ax Wi-Fi @ 5GHz (160MHz) • 1 * GPON port

Key Features

FTTR

- 1-16 APs connection capability
- Cloud remote management
- EasyMesh compliance

Wi-Fi

- OFDMA and MU-MIMO
- Spatial reuse
- Target wakeup time
- Manual/auto radio channel selection
- WPA/WPA2/WPA3 security

Networking

- IPv4/IPv6 dual-stack
- Port mapping/DMZ
- UPnP IGD with NAT traversal capability
- Static routing/dynamic routing
- Dynamic DNS relay
- DHCP client/server
- IGMP and MLD snooping/proxy

QoS

- Flexible packet classification
- 802.1p and DSCP remarking
- Up to eight queues
- Priority-based queue scheduling
- Wi-Fi Multimedia (WMM)

Security

- Stateful Packet Inspection (SPI) firewall
- Denial of Service (DoS) protection
- Multiple VPN pass-through(L2TP/PPTP/IPSec)
- MAC/IP/URL filtering
- Service based access control

Management

- ACS remote management
- Cloud remote management
- Web GUI based management
- Logs and statistics

FTTR Auxiliary Equipment

In-home Splitter



1* uplink port +1*cascade port +4* user port

Fiber Panel



1* user port

Room ONT G1611



WAN: GPON
WLAN: AX3000