

# AX3000 Dual-Band Wi-Fi 6 XGS-PON Gateway

## ZXHN F8605P

### Overview

ZXHN F8605P is an AX3000 dual-band gigabit premium triple-play XGS-PON gateway. It comes with one 2.5GE LAN port, three GE LAN ports.

MU-MIMO and OFDMA technologies sharply improve efficiency of the Wi-Fi network. 160MHz ensures larger bandwidth for customer to better surf the internet, watch the video, and play online game with ultimate Wi-Fi experience.



### Highlights



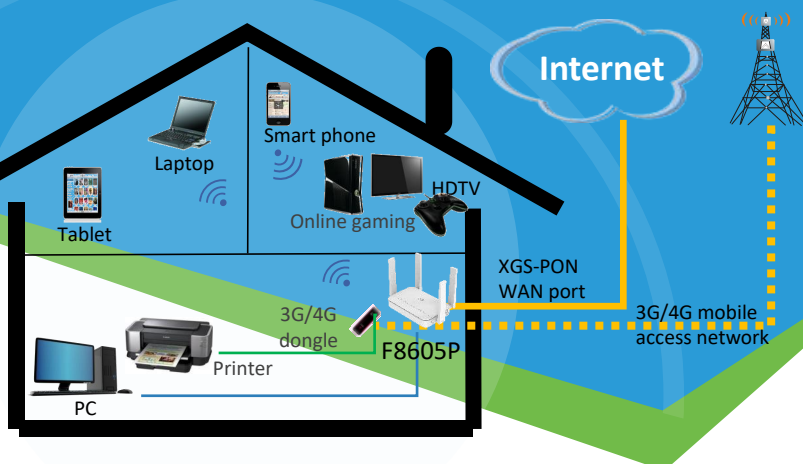
#### Higher Speeds

- XGS-PON and 2.5GE LAN port bring higher throughput.



#### More Flexible Management

- Complete OMCI complying with ITU-T G.988
- OMCI plus TR-069 complying with BBF TR-142 framework.

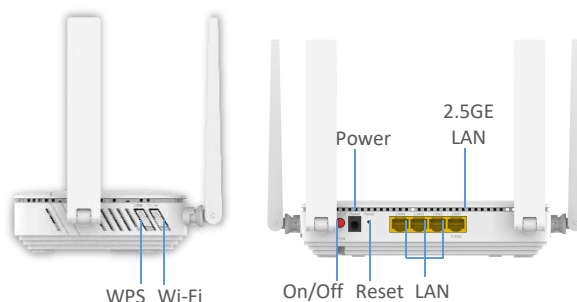


#### Ultimate Wi-Fi Experience

- DL/UL MU-MIMO, OFDMA and Beamforming bring better concurrency and higher efficiency.
- Dual band Wi-Fi 6 up to 3000Mbps, 160MHz@5GHz.
- Band steering, smart roaming optimize QoS.

### Hardware Specifications

Interfaces	WAN	• XGS-PON
	LAN	• 1x2.5GE+3xGE RJ-45 ports • 2x2 802.11b/g/n/ax Wi-Fi @ 2.4GHz • 2x2 802.11a/n/ac/ax Wi-Fi @ 5GHz
Buttons	• Wi-Fi • Reset • WPS • On/Off	
LEDs	• Power, PON, LOS, Internet, 2.5GE, LAN2-4, 2.4G, 5G, WPS	
Antenna	• External antennas	





## Software Functions

### Wi-Fi

- 160 MHz channel bandwidth@5G
- DL/UL MU-MIMO and OFDMA
- Manual/Auto radio channel selection
- Target-Wakeup Time
- Spatial Reuse
- Beamforming for 5GHz band
- WPA/WPA2/WPA3 Security
- Four broadcast/hidden SSIDs on each band

### Mesh

- EasyMesh compliance
- Star and daisy-chain networking
- Auto configuration, Plug & Play
- Band steering
- Smart roaming
- Self-healing backhaul
- Synchronize configuration via Ethernet or wireless

### Networking

- IPv4/IPv6 dual-stack
- Port mapping/DMZ/Virtual server
- 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
- SP/DWRR/SP+DWRR
- Priority based queuing scheduling
- Wi-Fi Multimedia (WMM)
- Up to 5 different services simultaneously

### 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

- TR-069/OMCI remote management
- Web GUI based management
- Local built-in diagnostic function
- Logs and statistics
- Remote upgrade by HTTP

## Other Characteristics

Power Supply	<ul style="list-style-type: none"><li>• AC adapter: 12V DC, 1.5A</li></ul>
Characteristics	<ul style="list-style-type: none"><li>• Net weight: 409 g</li><li>• Dimensions: 183*117*41.5 mm</li></ul>
Environmental	<ul style="list-style-type: none"><li>• Operating temperature: 0 °C~ 40°C</li><li>• Humidity: 5% ~ 95% (non-condensing)</li></ul>
Certification	<ul style="list-style-type: none"><li>• CE certification</li><li>• Wi-Fi 6 certification</li><li>• EasyMesh certificate</li></ul>