

# BE3600 Dual-Band Wi-Fi 7 XGS-PON ONT with 2.5GE

## ZXHN F8705



### Overview

ZXHN F8705 is an ITU-T G.9807 and ITU-T G.988 compliant optical network terminal (ONT) that is designed for high-end home users. It is well suited to fiber to the home (FTTH) scenarios and supports desktop mounting.

At the network side, it supports 9.95328 Gbps downlink and 9.95328 Gbps uplink. At the user side, it provides one 2.5GE port, three GE ports, one FXS port, one USB 2.0 port.

\*Depends on the allocation of radio spectrum in countries/regions



### Highlights



#### 2.5GE Gigabit Speed

- 2.5GE LAN port brings higher throughput



#### More Flexible Management

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

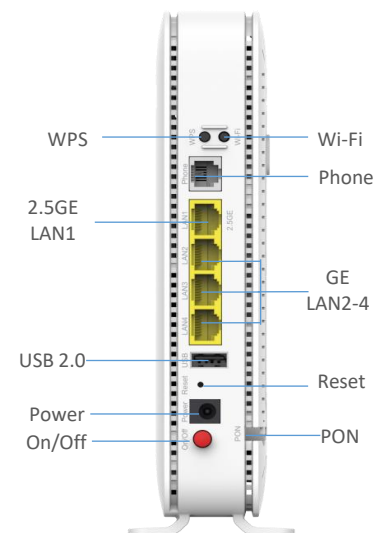


#### Ultimate Wi-Fi 7 Experience

- Higher-order 4096-QAM modulation, bring better concurrency and higher efficiency
- Wi-Fi 7 Dual-Band concurrent Wi-Fi up to 3600Mbps
- Band steering, smart roaming optimize QoS

### Hardware Specifications

Interfaces	WAN	<ul style="list-style-type: none"> <li>• XGS-PON</li> </ul>
	LAN	<ul style="list-style-type: none"> <li>• 1x2.5GE RJ-45 port</li> <li>• 3xGE RJ-45 ports</li> <li>• 1xFXS RJ-11 port</li> <li>• 1xUSB 2.0 port</li> <li>• 2x2 802.11b/g/n/ax/be Wi-Fi @ 2.4GHz</li> <li>• 2x2 802.11a/n/ac/ax/be Wi-Fi @ 5GHz</li> </ul>
Buttons	<ul style="list-style-type: none"> <li>• Wi-Fi</li> <li>• WPS</li> </ul>	<ul style="list-style-type: none"> <li>• Reset</li> <li>• On/Off</li> </ul>
LEDs	<ul style="list-style-type: none"> <li>• Power, PON, LOS, Internet, 2.5GE, LAN2-4, Phone, 2.4G, 5G, WPS, USB</li> </ul>	
Antenna	<ul style="list-style-type: none"> <li>• External antennas</li> </ul>	





## Software Functions

### Wi-Fi

- Channel bandwidth of Wi-Fi 7@5GHz max up to 240MHz
- Dual band Wi-Fi 7 up to 3600Mbps
- Higher-order 4096-QAM modulation
- Multi-link operation
- Multi-RU mechanism
- Manual/Auto radio channel selection
- WPA/WPA2/WPA3 Security

### VoIP

- SIP (RFC3261) compliant
- DTMF and pulse number receiving
- DTMF encryption algorithm (RFC2833)
- G.711 a/u law, G.729, and G.722 coding /encoding algorithm
- VAD and CNG
- T.30 fax, T.38 fax

### 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)

### 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

<b>Power Supply</b>	<ul style="list-style-type: none"> <li>• 12V DC, 1.5A</li> </ul>
<b>Characteristics</b>	<ul style="list-style-type: none"> <li>• Dimensions: 202.5×125×60 mm</li> </ul>
<b>Environmental</b>	<ul style="list-style-type: none"> <li>• Operating temperature: 0 °C~ 40°C</li> <li>• Humidity: 5% ~ 95% (non-condensing)</li> </ul>
<b>Certification</b>	<ul style="list-style-type: none"> <li>• CE</li> <li>• ROHS</li> <li>• Wi-Fi 7 certification ready</li> </ul>