

AX3000 Dual-band Wi-Fi 6 GPON Gateway

ZXHN F6201B



Overview

The ZXHN F6201B is an AX3000 dual-band GPON gateway, supporting 160MHz@5GHz. It comes with four GE LAN ports.

MU-MIMO and OFDMA technologies sharply improve efficiency of the Wi-Fi network. Excellent Wi-Fi performance allows customers to better surf the web, watch videos and play online games.



Highlights



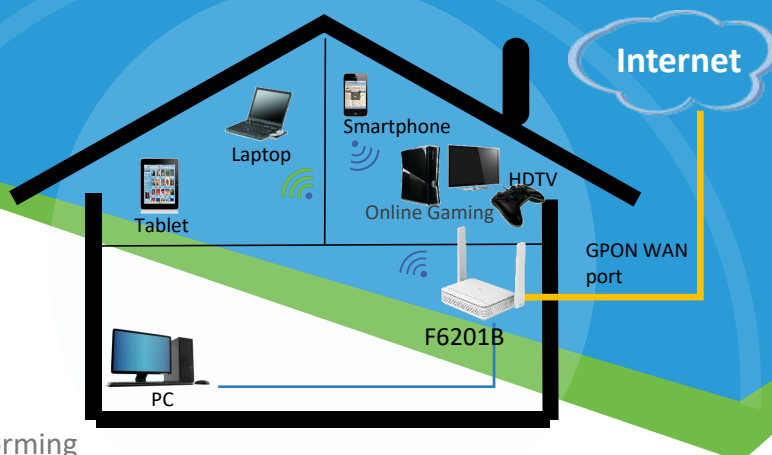
Ultimate Wi-Fi Experience

- DL/UL MU-MIMO, OFDMA and Beamforming bring better concurrency and higher bandwidth
- Dual band concurrent Wi-Fi 6 up to 3000Mbps
- Band steering, smart roaming optimize QoS



More Flexible Management

- Complete OMCI complying with ITU-T G.988
- OMCI and TR-069 management that complies with the BBF TR-142 framework

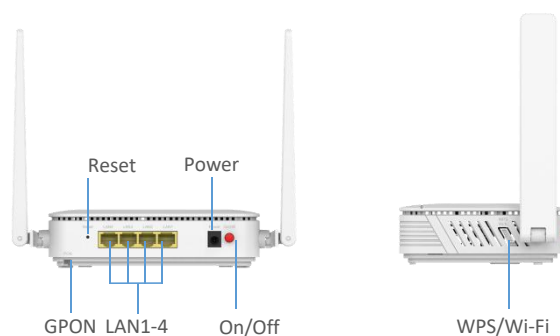


High Reliability

- The highly reliable heat dissipation design guarantees its stable operation
- The dual image ensures uninterrupted services during software download or upgrade, thereby enhancing software reliability

Hardware Specifications

Interfaces	WAN	• GPON
	LAN	<ul style="list-style-type: none"> • 4xGE RJ-45 ports • 2x2 802.11b/g/n/ax Wi-Fi @ 2.4GHz • 2x2 802.11a/n/ac/ax Wi-Fi @ 5GHz
Buttons	<ul style="list-style-type: none"> • WPS/Wi-Fi • Reset • On/Off 	
LEDs	<ul style="list-style-type: none"> • Power, PON, LOS, Internet, LAN1-4, 2.4G, 5G, WPS 	
Antenna	<ul style="list-style-type: none"> • External antennas 	





Software Functions

Wi-Fi

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

EasyMesh

- EasyMesh compliance as controller
- Star and Daisy-chain networking
- Auto configuration, Plug & Play
- Band steering
- Smart roaming
- Ethernet or wireless 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

Other Characteristics

Power Supply	<ul style="list-style-type: none">• 12V, 1A
Characteristics	<ul style="list-style-type: none">• Net weight: 0.29kg• Dimensions: 183x117x40mm
Environmental	<ul style="list-style-type: none">• Operating temperature: 0 °C~45 °C• Humidity: 5% ~ 95% (non-condensing)
Certification	<ul style="list-style-type: none">• CE• ROHS• Wi-Fi 6