

AC1200 Dual Band Gigabit GPON Gateway

ZXHN F670L



Product Highlights

- Dual band concurrent Wi-Fi up to 1200Mbps enables multiple wireless HD video streams
- Up to 5dBi gain external antennas and Optional internal antennas
- The dual image ensures uninterrupted services during software download or upgrade, thereby enhancing software reliability.



Overview

The ZXHN F670L is an AC1200 dual band Gigabit Premium triple-play GPON gateway. It comes with 1GE&3FE LAN ports, one phone port and next generation multi-stream Wi-Fi, operating simultaneously in 2.4GHz 2x2 over 802.11n and 5GHz 2x2 over 802.11ac. Based on customer requirements, the maximum 5dBi gain antennas can enhance the Wi-Fi coverage area and improve the performance.

Features



Incredible Wi-Fi Speeds

■ Dual band Wi-Fi, Superior performance of Wireless 11n and 11ac Transmission

The F670L supports 802.11b/g/n Wi-Fi @2.4GHz(2x2) and 802.11a/n/ac Wi-Fi @5GHz(2x2) in Dual-Band concurrent Wi-Fi mode so that its Wi-Fi speed can reach up to 1.2Gbps, consisting of 300Mbps (802.11n 2x2 @ 2.4GHz) and 866Mbps (802.11ac 2x2 @5GHz).

■ Mature IPv6 Capability

With support for IPv4/IPv6 Dual Stack, the F670L helps operators and end users to achieve future-proof network with smooth evolution.

■ Highly Reliable Features

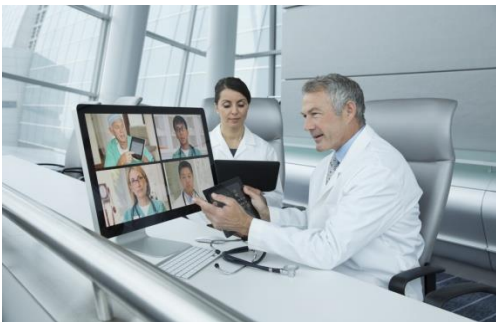
The dual image ensures uninterrupted services during software download or upgrade, thereby enhancing software reliability. The highly reliable lightning protection design provides lightning and surge protection of 4 kV for the adapter, 1.5 kV for the POTS port, and 1.5 kV for the Ethernet ports.

■ Quality of Service (QoS)

The QoS features of the F670L enable service providers to design QoS policies and prioritize mission-critical services such as IPTV and VoIP freely based on their individual service plans. So, service providers could deliver real multi-play applications to users and increase network efficiency.

■ Flexible Management Modes

The F670L can be managed by two ways: one is complete OMCI complying with ITU-T G.988, the other is OMCI plus TR-069 complying with BBF TR-142 framework. Service providers can choose their preferred ways to manage the device.



High Quality Streaming



Easy Sharing Content

Technical Specifications

Hardware	
Interfaces	<ul style="list-style-type: none">• 1 SC/APC connector for GPON• 4 RJ-45 ports for GE&FE interface• 1 RJ-11 ports for VoIP
Buttons	<ul style="list-style-type: none">• Power On/Off• WPS• Reset• Wi-Fi
LEDs	<ul style="list-style-type: none">• Power, PON, LOS, Internet, LAN1, LAN2, LAN3, LAN4, Phone, Wi-Fi, WPS
Antenna	<ul style="list-style-type: none">• External antennas(optional internal antennas)
VoIP	<ul style="list-style-type: none">• SIP (RFC3261)• Codec: G.711 (μ-law and A-law), G.729, G.722• RTP/RTCP(RFC 1890)• Echo cancellation• VAD/CNG• DTMF• T.30/T.38 FAX• Caller Identification/Call Waiting/Call Forwarding/Call Transfer/Call Hold/3-way Conference
Wi-Fi	<ul style="list-style-type: none">• Frequency: 2.4 GHz, 5GHz• IEEE 802.11a/n/ac Wi-Fi @ 5GHz(2x2)• IEEE 802.11b/g/n Wi-Fi @ 2.4GHz(2x2)• WPA/WPA2 Security• Up to four broadcast/hidden SSIDs for each band

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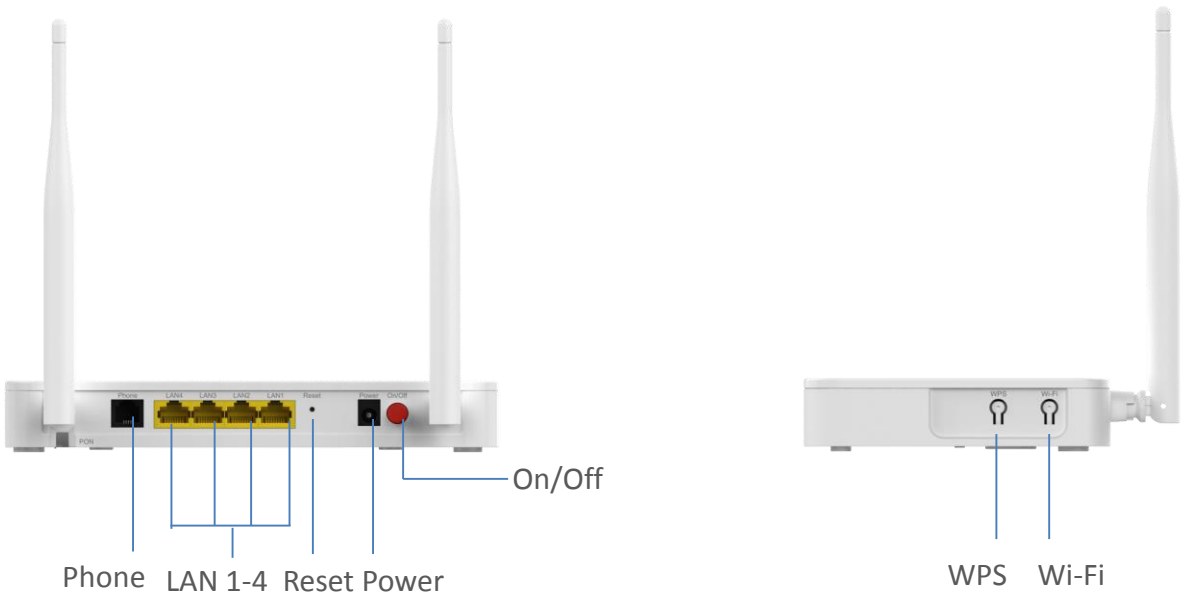
Technical Specifications

Software	
Networking	<ul style="list-style-type: none">• IPv4/IPv6 Dual Stack• SNTP client• NAT/ALG• Static routing/Dynamic routing• PPPoE client/passthrough• DNS client/relay• DHCP client/server• IGMP and MLD snooping/proxy
QoS	<ul style="list-style-type: none">• Flexible packet classification• Up to eight queues• SP/WRR/SP+WRR• Ingress rate limit• Egress shaping• WMM(Wi-Fi Multi Media)
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">• TR-069/OMCI remote 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: 9W
Physical Characteristics	<ul style="list-style-type: none">• Net weight: 320g• Dimensions: 205x120x28 mm
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• Wi-Fi certification

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Connection Diagram



Application Scenario

