AX3000 Dual-band Wi-Fi 6 GPON Gateway with RF

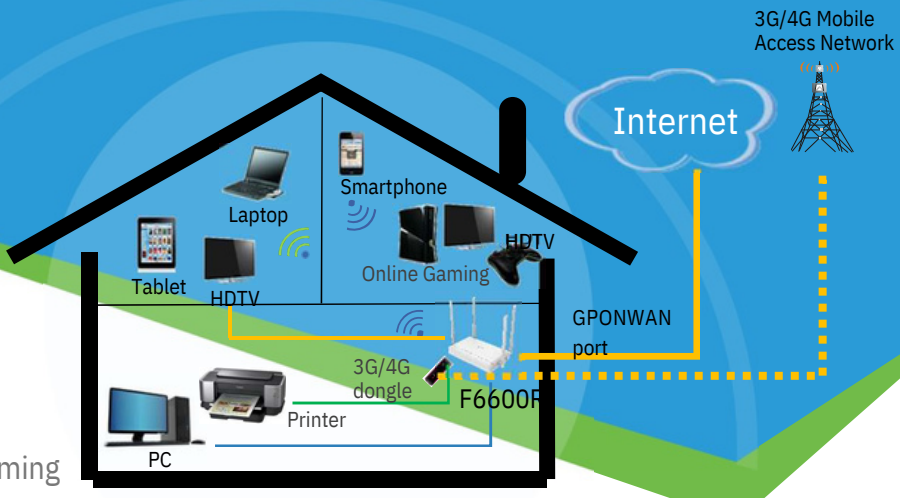
ZXHN F6600R



Overview

The ZXHN F6600R is an AX3000 dual-band triple-play GPON gateway, supporting 160MHz@5GHz and RF overlay. It comes with four GE LAN ports and one phone port. MU-MIMO and OFDMA technologies sharply improve efficiency of the Wi-Fi network. By using the device, the home users can better surf the web, access TV and voice services, and enjoy high-speed internet connection.





Highlights

UltimateWi-Fi Experience

- DL/UL MU-MIMO, OFDMA and Beamforming bring better concurrency and higher bandwidth
- Dualband concurrent Wi-Fi 6 up to 3.0Gbps
- Band steering, smart roaming optimize QoS

More Flexible Management

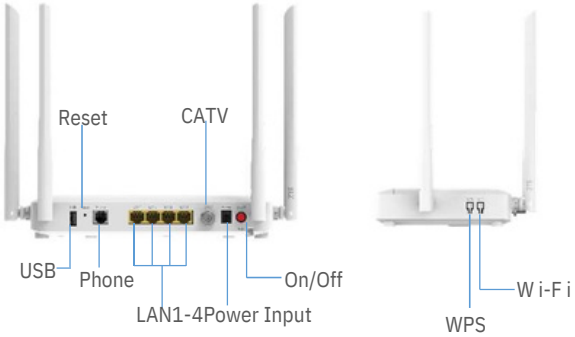
- Complete OMCI complying with ITU-T G.988
- OMCI and TR-069 management that complies with the BBF TR-142 framework

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	•1xSC/APC connector for GPON
	LAN	•4xGE RJ-45 ports •1xFXS RJ-11 ports •1xUSB 2.0 port • 1xRF •2x2802.11b/g/n/ax Wi-Fi @ 2.4GHz •2x2 802.11a/n/ac/ax Wi-Fi @ 5GHz
Buttons		• Wi-Fi •WPS • Reset • Power On/Off
LEDs		•Power,PON, LOS, Internet, LAN1, LAN2, LAN3, LAN4, Phone, 2.4G, 5G, WPS, CATV
Antenna		•External antennas



Note: Not every listed feature will be included in the shipping product. ZTE reserves the right to make changes of technical specifications, housing or design without prior notice.

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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

CATV

- Standard F5-Type connector Analog RF
- video over dedicated 1550nm wavelength RF Output level AGC
- Adjustment RF output level of +17 dBmV
- RF Passband: 46 MHz-1 GHz Switched
- on/off by remote control Receiving
- sensitivity: -8 to 2 dBm
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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
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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(TR-098/TR-181 data model)/OMCI remote management
- Web GUI based management
- Local built-in diagnostic function
- Logs and statistics

Other Characteristics

Power Supply	• 12V DC, 1.5A
Characteristics	• Net weight: 500g • Dimensions: 210*130*35mm
Environmental	• Operating temperature: 0°C~40 °C(23 °F ~ 113 °F) • Humidity: 5% ~ 95% (non-condensing)
Certification	• CE • Wi-Fi 6

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