



WX5610-B0

AX7800 WiFi 6E Tri-Band Gigabit Wireless Extender

The Zyxel WX5610-B0 AX7800 WiFi 6E Tri-Band Wireless Extender enables carrier-grade performance. As a key component of the Zyxel MPro Mesh Solutions, the WX5610-B0 delivers smooth data streaming and seamless roaming for whole-home WiFi coverage.

Benefits

WiFi 6E technology for superior lag-free performance

Supporting the latest WiFi 6E (11ax) standard, the WX5610-B0 delivers speeds up to 4800 Mbps* with 6 GHz 4x4 802.11ax, 2400 Mbps* with 5 GHz 2x2 802.11ax, and 600 Mbps* with 2.4 GHz 2x2 802.11ax. The uplink MU-MIMO, Orthogonal Frequency Division Multiple Access (OFDMA) and beamforming technologies empower WX5610-B0 to deliver premium speed for multi-streaming data access and optimal WiFi experiences without dead zones.

Premium MPro Mesh for whole-home WiFi coverage

Featuring the EasyMesh fully compliant Zyxel MPro Mesh Solutions, the WX5610-B0 enhances your subscribers' experience by providing self-adapting, easy-to-manage whole-home WiFi 6E coverage while reducing your service OPEX.

Seamless whole-home fiber-grade service

With 2.5 GbE LAN ports, the WX5610-B0 works seamlessly with any 2.5GbE WiFi 6 gateways to extend the reach of a premium WiFi network anywhere in your customers' homes, satisfying their demands for bandwidth-intensive applications.



WiFi 6E (11ax) tri-band for superior performance and coverage



Zyxel MPro Mesh Solutions (Compliant with EasyMesh Standards)



2.5GbE LAN port for optimized bandwidth utilization



Zyxel-developed OPAL for superior flexibility and faster time to market



Multiple SSIDs for various service deployment scenarios



Remote management via TR-069 and TR-181

TR-069/TR-181 remote management for lower OPEX

Compliant with TR-069/TR-181 standards, the WX5610-B0 significantly simplifies deployment complexity and lowers operating and maintenance costs with its remote management capabilities.

Zyxel OPAL firmware achieves superior flexibility and shortens time to market

Compliant with the same OPAL firmware trunk applied to all Zyxel CPEs, the WX5610-B0 inherits a rich, field-proven feature set for guaranteed same user experience after migrating to new devices.

Specifications

System specifications

Wireless standards

- 802.11 b/g/n/ac/ax 2.4 GHz, data rate 600 Mbps
- 802.11 a/n/ac/ax 5 GHz, data rate 2402 Mbps
- 802.11 ax 6 GHz, data rate 4804 Mbps

Wireless

- Auto channel selection
- MU-MIMO and beamforming
- WPS
- Wireless output power management
- Multiple SSID up to 4
- WiFi Protected Setup (WPS)
- Intra-BSS traffic block
- MAC address filtering
- Band steering
- MPro Mesh

Management

- Web/HTTP/HTTPS: 2 level log-in via SSH or Telnet
- Firmware upgrade via web/TR-069 RPC method
- Text based configuration
- Configuration backup/update/restore default via web
- TR-069 (TR-181 issue-2)/TR-111
- Rom-D support

Hardware specifications

Ethernet interface

- One 10/100/1000/2500 Mbps RJ-45 port
- One 10/100/1000 Mbps RJ-45 port

Wireless

- 2.4 GHz: 2x2 internal antenna
- 5 GHz: 2x2 internal antenna
- 6 GHz: 4x4 internal antenna

Button

- WPS
- Reset

LED indicator

- Power
- Internet
- Link quality/WPS
- WiFi

Power consumption

- 12 V DC/3 A

Physical specifications

- Item dimensions (WxDxH): 110 x 110 x 240 mm (4.33" x 4.33" x 9.45")
- Item weight: 1006 g (2.22 lb.)
- Packing dimensions (WxDxH): 278 x 175 x 120 mm (10.94" x 6.89" x 4.72")
- Packing weight: 1520 g (3.35 lb.)

Environmental specifications

Operating environment

- Temperature: 0°C to 40°C (32°F to 104°F)
- Humidity: 10% to 90% (Non-condensing)

Storage environment

- Temperature: -30°C to 70°C (-22°F to 158°F)
- Humidity: 10% to 95% (Non-condensing)

Certification

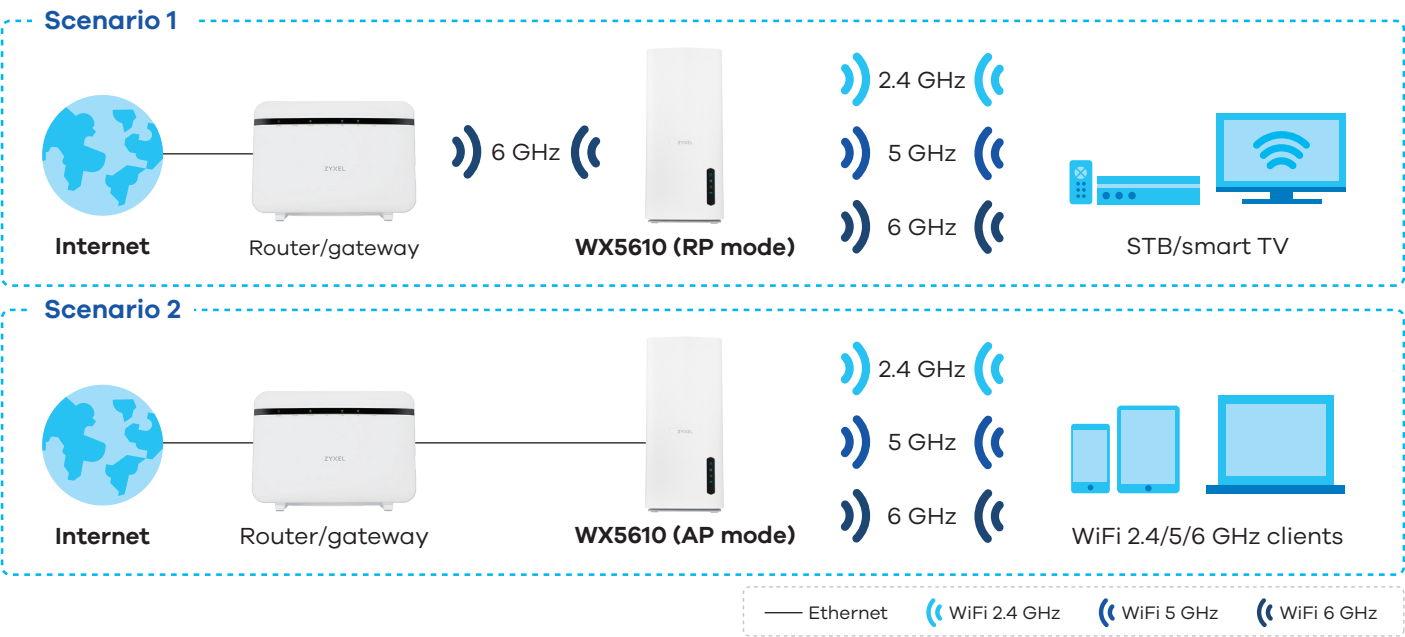
- FCC
- IC

Package contents

- Wireless extender
- Power adapter
- Ethernet cable
- Quick Start Guide

* The maximum wireless data is derived from IEEE standard 802.11 specifications. Actual data transfer rate will vary from network environment including: distance, network traffic, building site materials/construction, interference from other wireless devices, and other adverse conditions.

Application diagram



Hardware interface





For more product information, visit us on the web at <https://service-provider.zyxel.com>

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Datasheet [WX5610-B0](#)

