



EX3510-B Series

AX5700 WiFi 6 Gigabit Ethernet Gateway

The Zyxel EX3510-B Series AX5700 WiFi 6 Gigabit Ethernet Gateway supports the latest dual-band wireless WiFi 6 (11ax) technology for optimized bandwidth utilization to increase network capacity and the number of simultaneous streams, which allow more subscribers to enjoy superior connectivity with extremely low latency.

Benefits

WiFi 6 technology for superior lag-free performance

Supporting the latest WiFi 6 (11ax) standard, the EX3510-B Series delivers speeds up to 4800 Mbps* with 5 GHz 4x4 802.11ax and 860 Mbps* with 2.4 GHz 4x4 802.11ax. The uplink MU-MIMO, Orthogonal Frequency Division Multiple Access (OFDMA) and beamforming technologies empower EX3510-B Series 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 EasyMesh fully compliant Zyxel MPro Mesh™ Solutions, the Zyxel EX3510-B Series enhances your subscribers' experience by providing self-adapting, easy-to-manage whole-home WiFi coverage, while reducing your service OPEX.

TR-069/TR-098/TR-181 remote management for lower OPEX

Compliant with TR-069/TR-098/TR-181 standard, the EX3510-B Series significantly simplifies deployment complexity and lowers operating and maintenance costs with its remote management capabilities.



WiFi 6 (11ax) 4x4+3x3 for superior performance and coverage



Zyxel MPro Mesh™ Solution (compliant with EasyMesh standards)



Remote management via TR-069, TR-098 and TR-181



CAF II performance testing support



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



Multiple SSIDs for various service deployment scenarios



Comprehensive QoS for enhanced triple-play experience



NAT, firewall with SPI and DoS for better security

Zyxel OPAL firmware realizes the flexibility and faster time to market

Compliant with the same OPAL firmware trunk applied in all Zyxel CPEs, the EX3510-B Series inherits a rich, field-proven feature set including TR-069 and more. Service providers can ensure the same user experience, after migrating to new devices.

CAF II performance testing support

The Zyxel EX3510-B Series supports optimized TR-143 protocol to facilitate FCC mandated CAF II performance testing.

Specifications

System specifications

Wireless standards

- IEEE 802.11 b/g/n/ax 2.4 GHz
- IEEE 802.11 a/n/ac/ax 5 GHz

Wireless transfer rates

- Transmit:
 - 802.11ax (2.4 GHz): up to 860.3 Mbps*
 - 802.11ax (5 GHz): up to 4804 Mbps*

WLAN features

- Auto channel selection
- WiFi Multimedia (WMM)
- Wireless output power management
- Multiple SSIDs up to 4
- WiFi Protected Setup (WPS)
- Intra-BSS traffic block
- MAC address filtering
- WPS 2.0
- WPA2-PSK
- WPA3-SAE**

Firewall

- IPv4/IPv6 firewall (Stateful Packet Inspection)
- Denial-of-Service (DoS) attack prevention
- ICMP blocking

Routing

- IPv4/IPv6
- NAT
- Port forwarding
- WAN connection type: DHCP, PPPoE
- DHCP option 60/121/125
- DHCP server on LAN
- IGMP v2/v3
- IGMP proxy
- Dynamic DNS

VPN pass-through

- PPTP
- L2TP
- IPSec

VLAN

- 802.1q tag/tag based VLAN
- VLAN to ETH port mapping
- Bridged/routed VLAN support

Management

- Web GUI (HTTP/HTTPS)
- TR-069/TR-098/TR-181
- Firmware upgrade through GUI/TR-069
- 2-tier level access and administration

Hardware specifications

WAN

- One 1GbE RJ-45 port

LAN

- Four 1GbE RJ-45 ports

USB

- One USB 2.0 host

LED indicators

- Power
- Internet
- Ethernet WAN
- Ethernet LAN
- WiFi 2.4G
- WiFi 5G
- WPS

Button

- WPS
- Reset

Power consumption

- 12 V DC, 2.5 A
- 30 Watt max

Physical specifications

- Item dimensions (WxDxH):
175 x 60 x 245 mm
(6.88" x 2.36" x 9.64")
- Item weight: 546 g (1.20 lb.)
- Packing dimensions (WxDxH):
279 x 279 x 70 mm
(10.98" x 10.63" x 2.76")
- Packing weight: 991 g (2.19 lb.)

Environment specification

Operating environment

- Temperature:
5°C to 40°C (41°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

- RF: FCC, IC
- EMC: FCC, IC

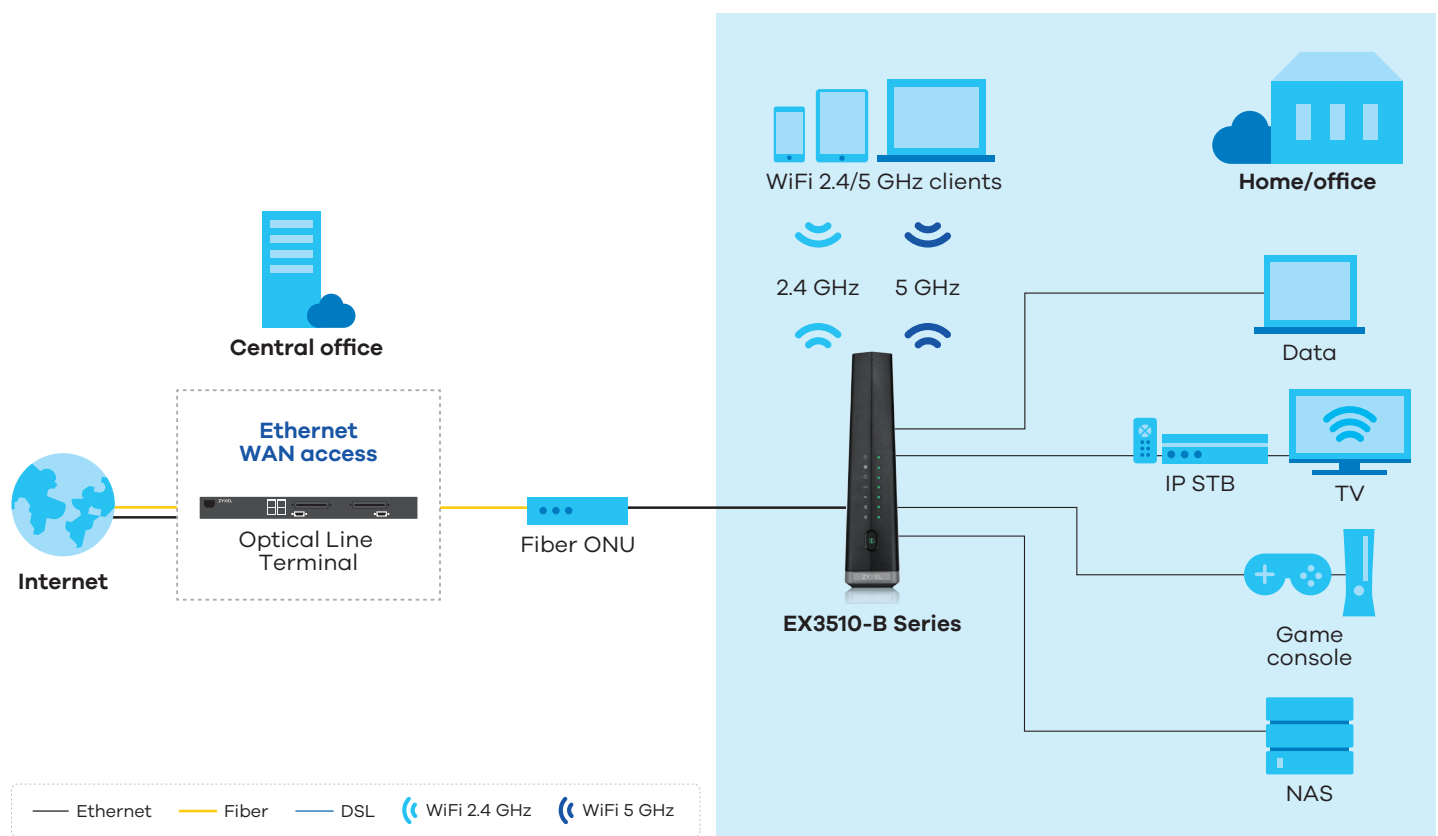
Package contents

- Gigabit Ethernet gateway
- Power adapter
- Ethernet cable
- Quick Start Guide

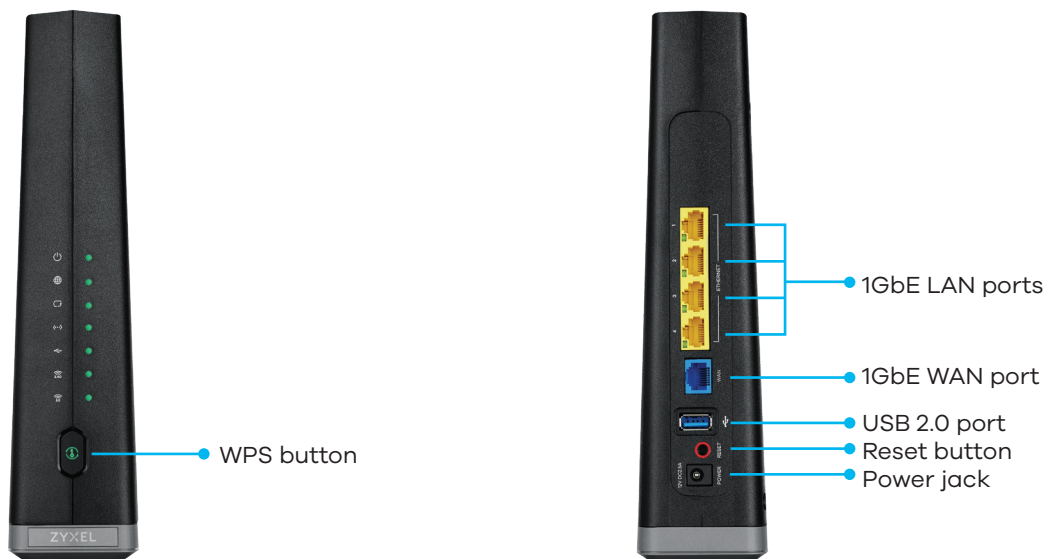
* The maximum wireless data transfer rate is derived from IEEE standard 802.11 specifications. Actual data transfer rate will vary from network environment including: distance, network traffic, building site materials/construction, interference from other wireless devices, and other adverse conditions.

** Under development. Function will be supported through firmware upgrade.

Application diagram



Hardware interface



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

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Datasheet [EX3510-B Series](#)



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