



## EX3510-B0

### AX5700 WiFi 6 Gigabit Ethernet Gateway

The Zyxel EX3510-B0 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

##### Lightning-fast next-generation technology

The Zyxel EX3510-B0 supports the WiFi 6 (11ax) standard to offer lightning-fast throughputs of up to 5700 Mbps\*. The performance enables operators to provide UHD 4K/8K services to subscribers and hybrid high-throughput applications in homes for a true IoT lifestyle.

##### Maximize network capacity for more devices

Supported by revolutionary Orthogonal Frequency Division Multiple Access (OFDMA), the Zyxel EX3510-B Series improves average throughputs to considerably shorten latency and increase network efficiency.

##### CAF II performance testing support

The Zyxel EX3510-B0 supports optimized TR-143 protocol to facilitate FCC mandated CAF II performance testing.



WiFi 6 (11ax) for superior performance and coverage



Supports OFDMA for maximized network efficiency



Zyxel MPro Mesh™ Solutions (compliant with EasyMesh standards)



Auto-provisioning and remote management through TR-069/TR-098/TR-181



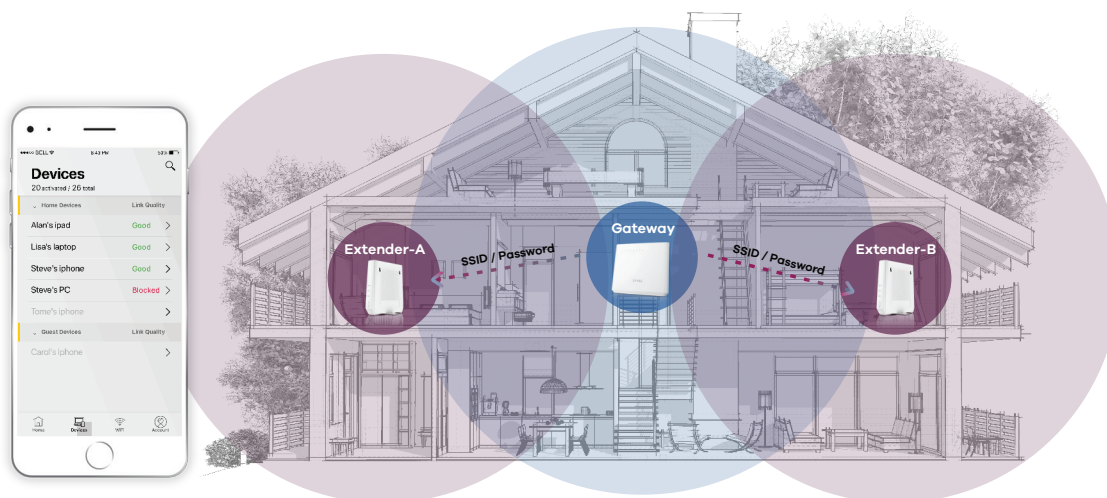
In-house developed OPAL realizes the flexibility and faster time to market

## 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-B0 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.

## Premium MPro Mesh™ for whole-home WiFi coverage

Featuring EasyMesh fully compliant Zyxel MPro Mesh™ Solutions, the Zyxel EX3510-B0 enhances your subscribers' experience by providing self-adapting, easy-to-manage whole-home WiFi coverage, while reducing your service OPEX.



## 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 SSID 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
- 27 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

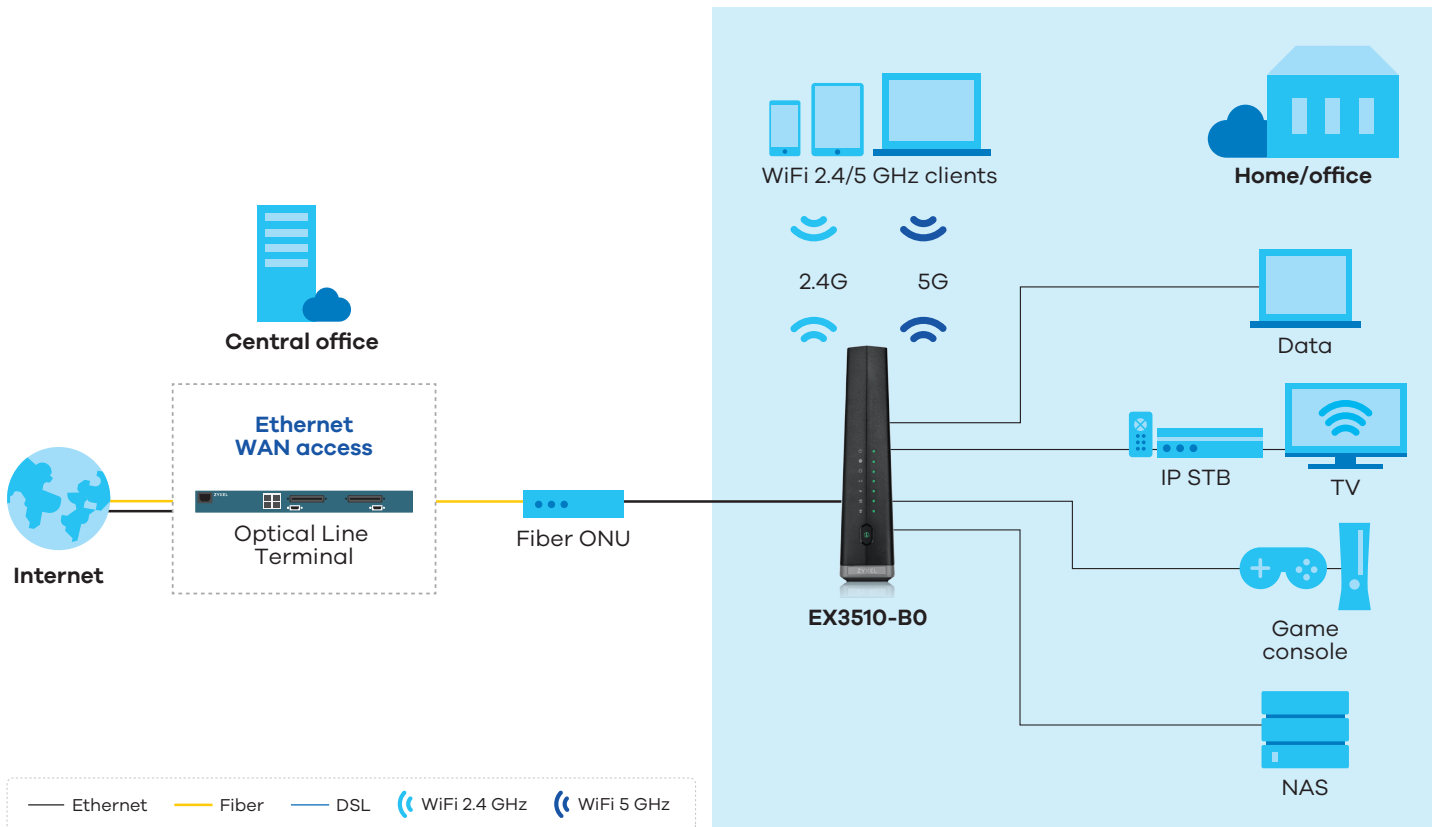
## Package contents

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

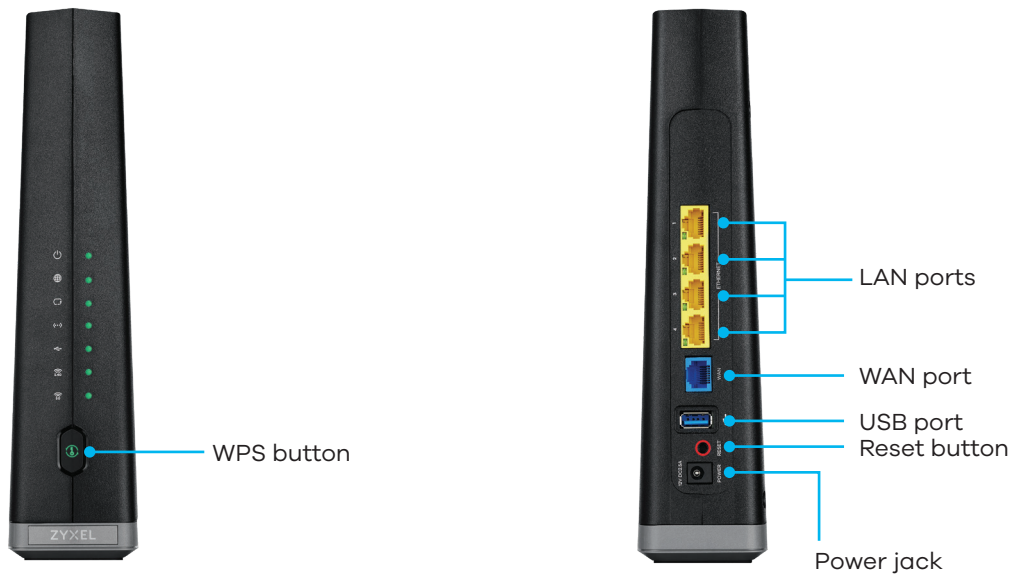
\* The maximum wireless data transfer rate is derived from IEEE standard 802.11 specifications. Actual data transfer rate will vary from network environment including: distance, network traffic, building site materials/construction, interference from other wireless devices, and other adverse conditions.

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

## Application diagram



## Hardware interface



For more product information, visit us on the web at [www.zyxel.com](http://www.zyxel.com)

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Datasheet [EX3510-B0](#)

