



## WE3100-00

### Dual-Band Wireless BE3600 Gigabit Extender

The Zyxel WE3100-00 Dual-Band Wireless BE3600 Gigabit Extender delivers exceptional performance, enabling the fastest download speeds with GbE ports. As a key component of the Zyxel MPro Mesh® Solutions, the WE3100-00 delivers smooth data streaming and seamless roaming for extreme Wi-Fi coverage.

### Benefits

#### Unleash peak performance with Wi-Fi 7 (802.11be)

Supporting the latest Wi-Fi 7 (802.11be) standard and rated as BE3600\*, the WE3100-00 delivers dual-band Wi-Fi with exceptional performance. With Multi-Link Operation (MLO) technology, the WE3100-00 not only optimizes reliability and maximizes data speeds but also significantly reduces latency. By intelligently utilizing multiple frequency bands simultaneously, MLO provides a smoother, low-latency experience—ideal for real-time applications such as gaming and video streaming.

#### MPro Mesh® kills the dead zones

Featuring EasyMesh fully compliant Zyxel MPro Mesh® Solutions\*\*, the WE3100-00 enhances your subscribers' experience by providing self-adapting, easy-to-manage whole-home Wi-Fi coverage, while reducing your service OPEX.



Wi-Fi 7 (11be) 2x2+3x3  
(2 spatial streams) for superior performance and coverage



Zyxel MPro Mesh® Solutions  
(compliant with EasyMesh standards)



GbE LAN ports for optimized bandwidth utilization



Remote management via TR-069/TR-369



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



Circular economy product design



## Commitment to sustainability

The WE3100-00 is crafted from 100% recycled plastics\*\*\* and the easy-to-remove case for simplified repair and replacement, extending antenna lifespan and reducing manufacturing needs. With recycled paper packaging and VOC-free vegetable oil ink printing, we minimize waste and harmful substances, avoiding single-use plastics and halogen materials.

## Seamless whole-home fiber-grade service

With two GbE LAN ports, the WE3100-00 works seamlessly with any Gigabit Wi-Fi 7 gateways to extend the reach of a premium Wi-Fi network anywhere in your customers' homes, satisfying their demands for bandwidth-intensive applications.

## TR-369/TR-069 remote management for lower OPEX

Compliant with TR-369/TR-069, the WE3100-00 significantly simplifies deployment complexity and lowers operating and maintenance costs. The additional support for the latest TR-181 issue 2 data model also enhances service providers' visibility into subscriber LAN networks, offering improved customer assistance.

## Superior flexibility and faster time-to-market with Zyxel OPAL firmware

The WE3100-00 is available with Zyxel OPAL – our mature, modular software platform. The software incorporates a set of field-proven applications and allows you to easily manage your customer's premium services or seamlessly migrate and upgrade them to new technology – all with the advantage of reduced development time for you and great service for your customers.

# Specifications

## System specifications

### Wireless standards

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

### Wireless transfer rates

- Transmit:
  - 802.11be (2.4 GHz): up to 688 Mbps\*
  - 802.11be (5 GHz): up to 2882 Mbps\*

### Wireless security

- WPA2-PSK/WPA3-SAE

### Wireless features

- Auto channel selection
- MU-MIMO and beamforming
- Video-grade QoS
- Wi-Fi Protected Setup (WPS)
- Wi-Fi Multimedia (WMM)
- MAC address filtering
- Multiple SSID up to 4
- AP/band steering

### System management

- Web GUI (HTTP/HTTPS)
- TR-069 via TR-098/TR-181 i2 data model

- TR-369 via TR-181 i2 data model
- Firmware upgrade via web GUI/TR-369/TR-069 protocol
- 2-tier level access and administration
- Zyxel One APP management

### MPro Mesh® features

- Auto-configuration
- Band steering
- Multi-AP roaming
- Backhaul priority

## Hardware specifications

### LAN

- Two GbE RJ-45 ports with auto MDI/MDIX support

### Wireless

- 2.4 GHz: 2x2 internal antennas
- 5 GHz: 3x3 (2 spatial streams) internal antennas

### Buttons

- WPS
- Reset button
- Power on/off

### LED indicators

- Power/system status
- Backhaul link quality
- Wi-Fi/WPS
- Mode

## Power consumption

- 12 V DC, 1.5 A
- 18 Watt max

## Physical specifications

- Item dimensions (LxWxH): 160 x 50 x 150 mm (6.29" x 1.97" x 5.91")
- Item weight: 320 g (0.71 lb.)
- Packing dimensions (LxWxH): 253 x 169 x 76 mm (9.96" x 6.65" x 2.99")
- Packing weight: 720 g (1.59 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

- CE
- UKCA
- Safety
- ErP

## Package contents

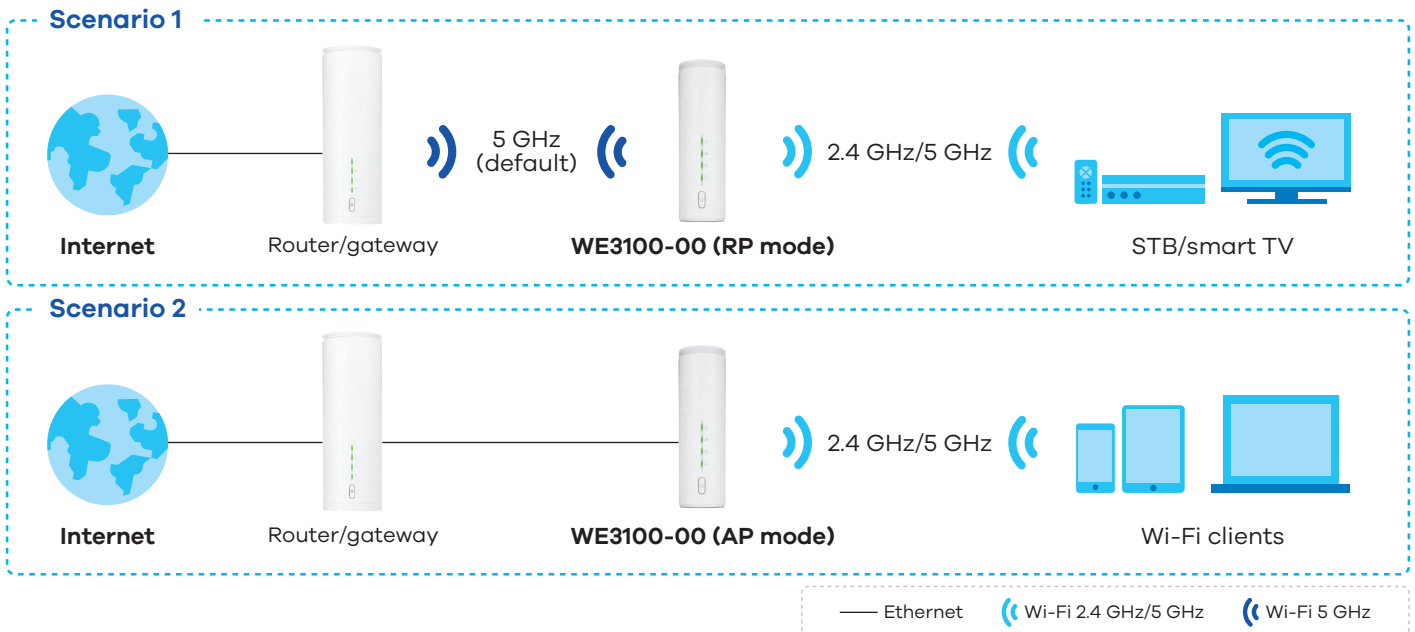
- Wireless extender
- Power adapter
- Ethernet cable
- Quick Start Guide

\* 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.

\*\* Combining a compatible wireless gateway and the WE3100-00 is recommended for optimal mesh network performance.

\*\*\* 5% additives and solvents are necessary to be added to the recycled polymers to achieve the desired technical characteristics of the material.

## Application diagram



## Hardware interface



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

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