ZYXEL
COMMUNICATIONS

WX3401-B0

Dual-Band Wireless AX5400 Gigabit Extender

The Zyxel WX3401 Dual-Band Wireless AX5400 Gigabit Extender enables carrier-grade performance. As a key component of the Zyxel MPro Mesh™ solution, the Zyxel WX3401 delivers smooth Ultra HD and IPTV streaming and seamless roaming for whole-home WiFi coverage.

Benefits

Superior wireless experiences with lag-free connectivity

Offering speeds up to 4800 Mbps* with 4x4 802.11ax and 600 Mbps* with 2x2 802.11ax, the Zyxel WX3401 features beamforming technology to empower premium speed for multi-streaming data access and optimal WiFi experience without dead zones.

Boosts efficiency of the existing infrastructure with dual-mode flexibility

The AP/repeater function allows you to start a new deployment or upgrade current services by connecting to the subscriber's existing broadband router with lower CAPEX. The dual-mode flexibility fulfills different deployment scenarios and subscribers' demand of high-quality WiFi services.

Zyxel OPAL firmware achieves superior flexibility and shortens time to market

Compliant with the same OPAL firmware trunk applied to all Zyxel CPEs, the WX3401 inherits a rich, field-proven feature set including TR-069, TR-098, TR-181 and more, guaranteeing the same user experience after migrating to new devices.

- WiFi 6 (11ax) for superior performance and coverage
- Supports uplink/downlink MU-MIMO for increased network capacity
- Supports OFDMA for maximized network efficiency
- Multiple SSIDs for various service deployment scenarios
- Auto-provisioning and remote management through TR-069/TR-098/TR-181
- In-house developed OPAL realizes the flexibility and faster time to market

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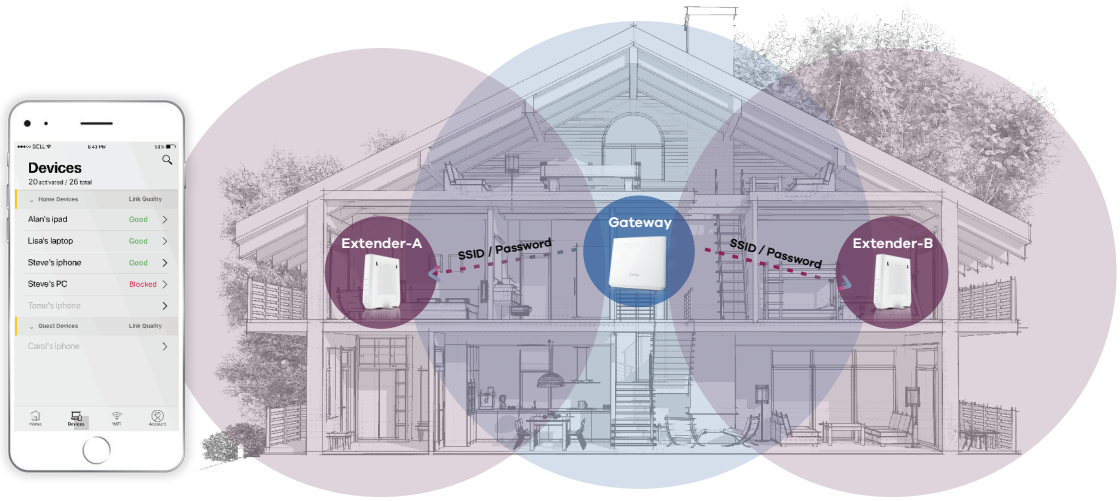
Premium MPro Mesh™ for whole-home WiFi coverage

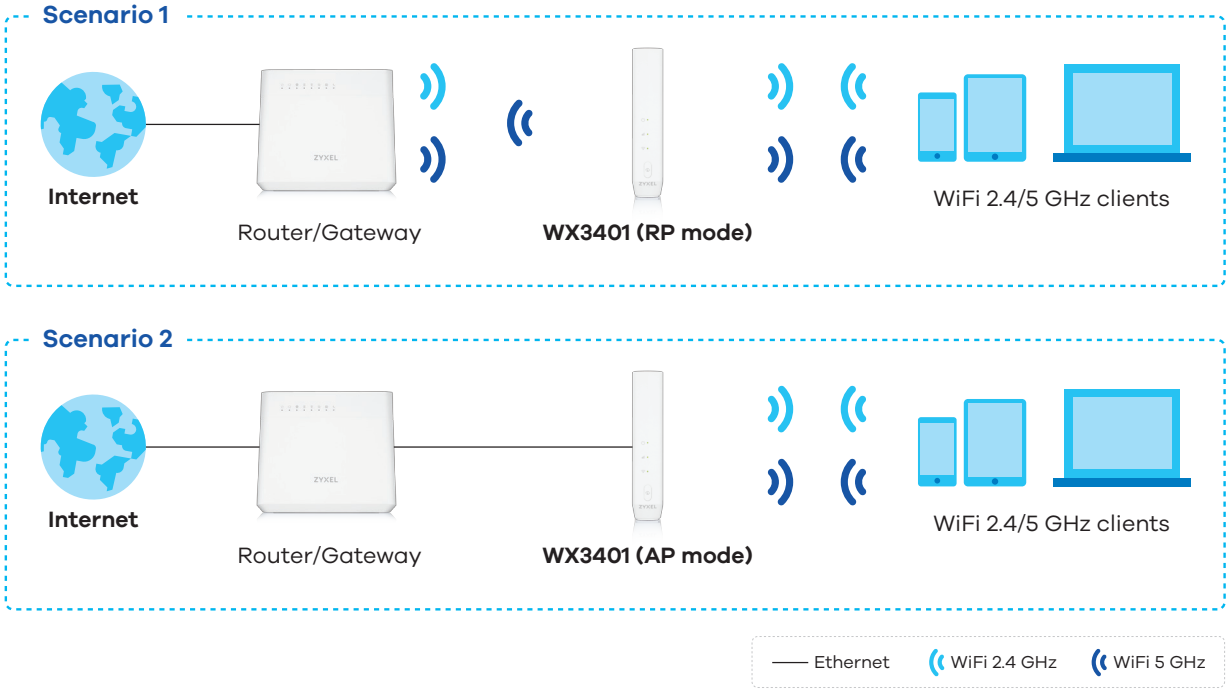
Featuring the EasyMesh fully compliant Zyxel MPro Mesh™ solution, the Zyxel WX3401 enhances your subscribers' experience by providing self-adapting, easy-to-manage whole-home WiFi coverage, while reducing your service OPEX.



Remote management through TR-069/TR-098/TR-181 for lowest OPEX

Compliant with TR-069/TR-098/TR-181, the Zyxel WX3401 significantly simplifies the complexities of deployment. Furthermore, it lowers operating and maintenance costs with its remote management capability.

Application diagram



Specifications

System specifications

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

Wireless speed
- Transmit/receive:
  - 4800 Mbps* for 5 GHz
  - 600 Mbps* for 2.4 GHz

Wireless security
- WPA2-PSK/WPA3-SAE

Wireless features
- Auto channel selection
- MU-MIMO and beamforming
- Video-grade QoS
- WiFi Protected Setup (WPS)
- WiFi Multimedia (WMM)
- MAC address filtering
- Multiple SSIDs
- AP/Band steering

System management
- HTTP/GUI
- TR-069/TR-098/TR-181 remote management
- Remote firmware upgrade
- Dual images system recovery
- DHCP client and IGMP snooping
- MPro Mesh™ management

Operation mode
- AP/repeater

MPro Mesh™ management
- Pre-associated steering
- 5G/2.4G band steering
- Multi-AP roaming
- Band balancing
- Backhaul optimal

Hardware specifications

LAN
- Two 1GbE RJ-45 ports with auto MDI/MDIX support

Antenna
- 5G: four internal antennas
- 2.4G: two internal antennas

LED indicator
- PWR/SYS
- Link signal
- WiFi/WPS
- LAN1/LAN2 (on Ethernet port)

Buttons
- Power on/off switch
- Reset
- WPS

Power consumption

- 12V DC, 1.5A
- 18 Watt max

Physical specifications

- Item dimensions (WxDxH): 165 x 36 x 139 mm (6.49" x 1.41" x 5.47")
- Item weight: 318.2 g (0.7 lb.)
- Packing dimensions (WxDxH): 250 x 39 x 220 mm (9.84" x 1.53" x 8.66")
- Packing weight: 616.2 g (1.36 lb.)

Environment 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

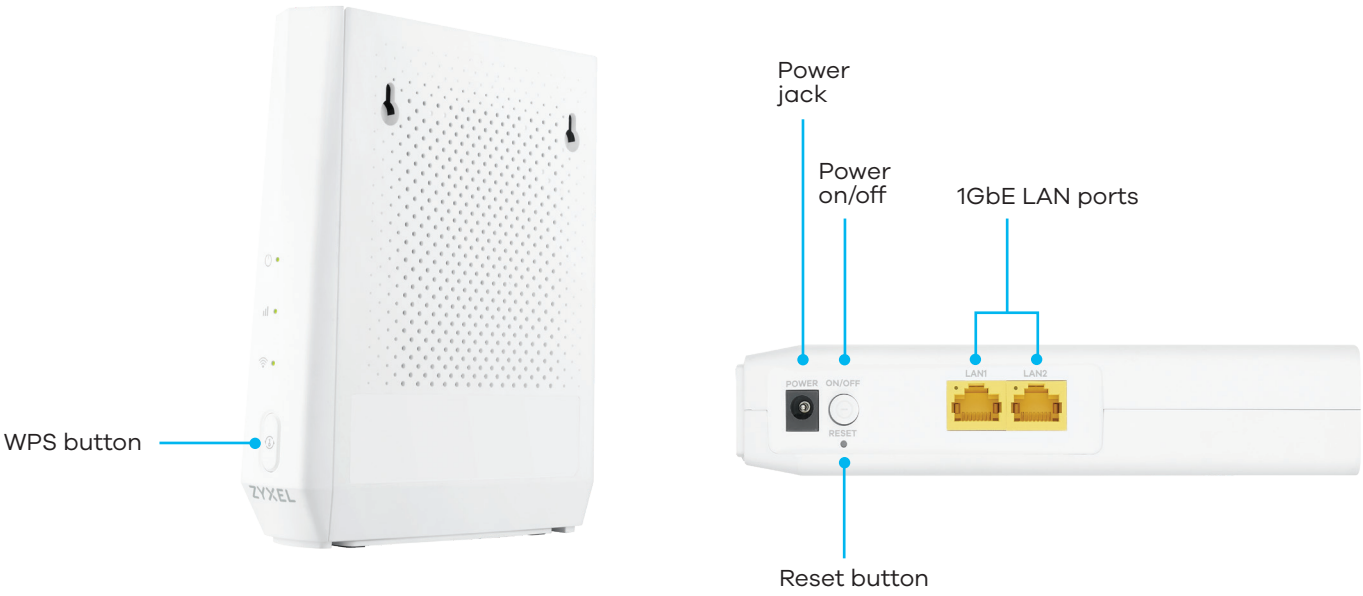
- CE
- Safety
- ErP

Package contents

- Wireless bridge
- 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.

Hardware interface



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