ZYXEL
COMMUNICATIONS

WX5600-T0
Dual-Band Wireless AX6000 Gigabit Extender

The Zyxel WX5600-T0 Dual-Band Wireless AX6000 Gigabit Extender enables carrier-grade performance. As a key component of the Zyxel MPro Mesh® Solutions, the Zyxel WX5600-T0 offers your customers an unmatched experience with higher speeds, greater capacity and seamless coverage.

Benefits

Superior wireless experiences with lag-free connectivity

Offering speeds up to 4800 Mbps* with 5 GHz 4x4 802.11ax and 1200 Mbps* with 2.4 GHz 4x4 802.11ax, the Zyxel WX5600-T0 features beamforming technology to empower premium speed for multi-streaming data access and optimal WiFi experience without dead zones.

Premium MPro Mesh® for whole-home WiFi coverage

Featuring the EasyMesh fully compliant Zyxel MPro Mesh® Solutions, the WX5600-T0 enhances your subscribers' experience by providing self-adapting, easy-to-manage whole-home WiFi coverage, while reducing your service OPEX with mature remote management features and an in-house developed mobile app.

Superior interoperability boosts the efficiency of existing infrastructure

The WX5600-T0 works with compatible Zyxel gateways as part of an integrated mesh network or independently with third-party gateways, facilitating new deployments and ensuring optimized network performance.

Datasheet WX5600-T0

WiFi 6 (11ax) for superior performance and coverage

Zyxel MPro Mesh® Solutions (compliant with EasyMesh standards)

2.5GbE LAN ports for optimized bandwidth utilizatio

Remote management via TR-069 and TR-181

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

MPro MESH   WiFi 6

2.5GbE LAN port for extending premium fiber service

With two 2.5GbE LAN ports, the WX5600-T0 extends premium fiber service to satisfy subscribers' bandwidth-intensive applications with optimized bandwidth utilization.

Remote management through TR-069/TR-181 reduces service expenses

Compliant with TR-069/TR-181 standards, the Zyxel WX5600-T0 significantly simplifies the complexities of deployment. You can process remote configuration, upgrade software, run diagnostics and provide management – all from your own customer support office.

Seamless migration with OPAL software

The WX5600-T0 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 802.11 a/n/ac/ax 5 GHz
- IEEE 802.11 b/g/n/ax 2.4 GHz

Wireless speed
- Transmit/receive
  - 4800 Mbps* for 5 GHz
  - 1200 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 SSID up to 4
- AP/band steering

System management
- HTTP/GUI
- TR-069/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 2.5GbE RJ-45 ports with auto MDI/MDIX support

Wireless
- 5 GHz: four internal antennas
- 2.4 GHz: four internal antennas

Buttons
- Power on/off
- Reset
- WPS

LED indicators
- Power/system status
- Backhaul link quality
- WiFi
- WPS

Power consumption

- 12 V DC 1.5 A
- 18 Watt max

Physical specifications

- Item dimensions (WxDxH):
  128 x 40 x 128 mm
  (5.03" x 1.57" x 5.03")
- Item weight: 307.8 g (0.67 lb.)
- Packing dimensions (WxDxH):
  261 x 136.5 x 44 mm
  (10.27" x 5.35" x 1.73")
- Packing weight: 619.8 g (1.37 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)
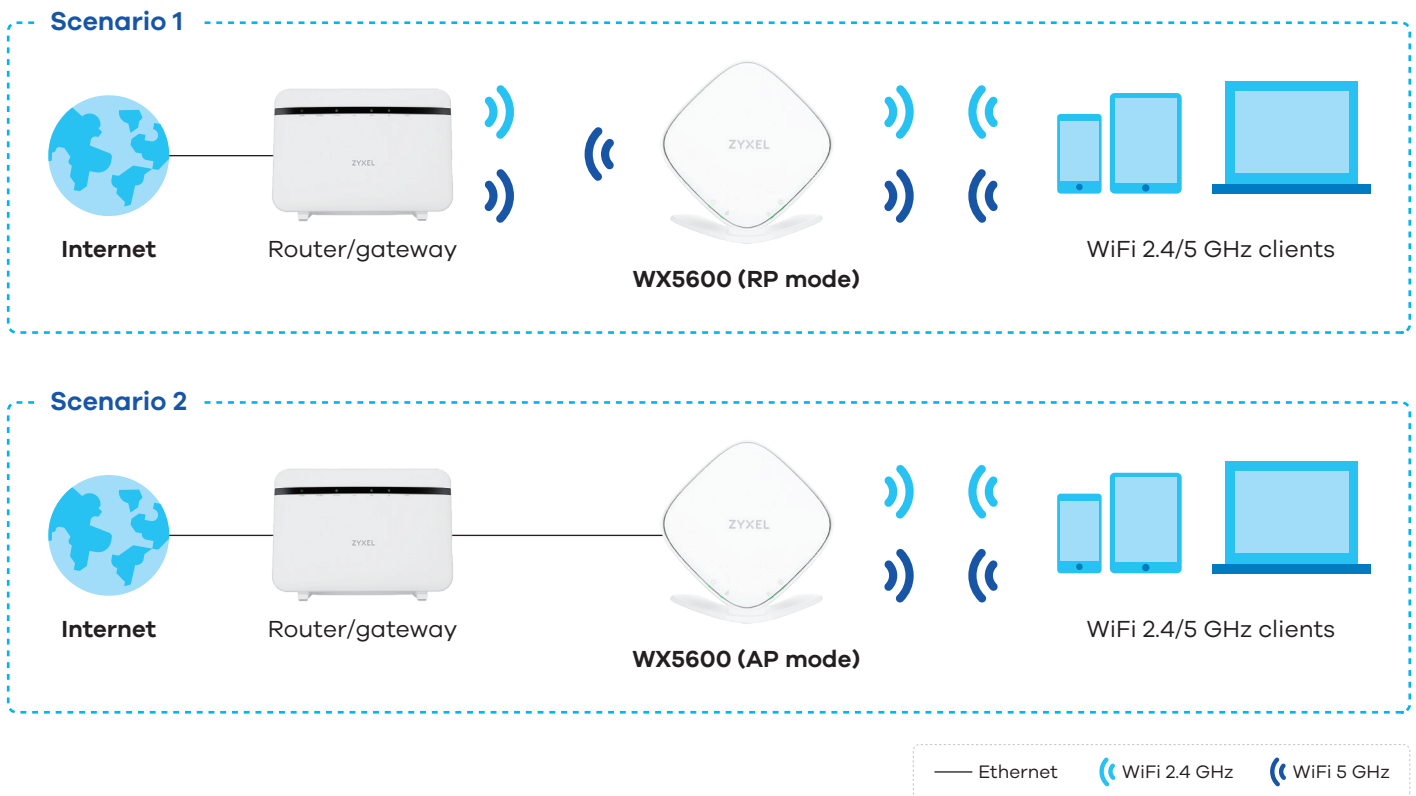- Humidity:
  10% to 95% (Non-condensing)

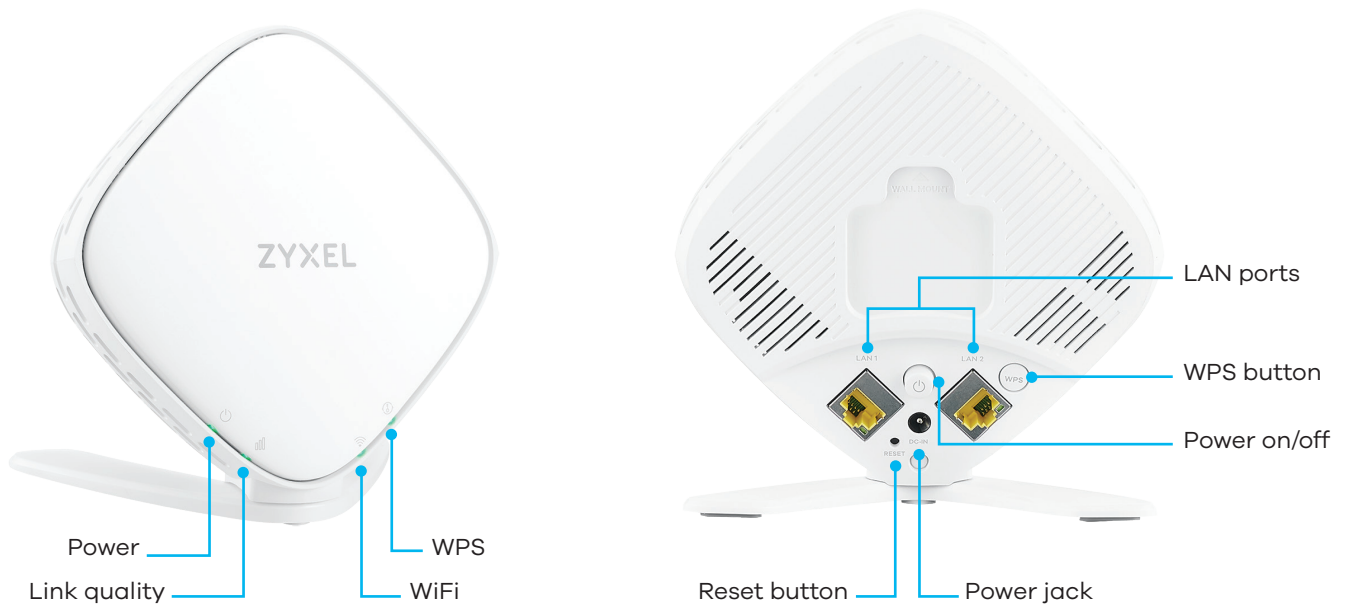## Certification

- CE
- 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.

Application diagram

Scenario 1

Internet — Router/gateway))) (((**WX5600 (RP mode)**))) (((WiFi 2.4/5 GHz clients

Scenario 2

Internet — Router/gateway — **WX5600 (AP mode)**))) (((WiFi 2.4/5 GHz clients

—— Ethernet   ((WiFi 2.4 GHz   ((WiFi 5 GHz

Hardware interface

ZYXEL

Power

Link quality

WPS

WiFi

LAN ports

WPS button

Power on/off

Reset button

Power jack

ZY**X**EL
COMMUNICATIONS

Datasheet WX5600-T0