



## AM3100-B0

### Gigabit Active Fiber Gateway

The Zyxel AM3100-B0 Gigabit Active Fiber Gateway provides high-speed active fiber internet access to meet the market requirements for high-performance Gigabit bandwidth. With a built-in Ethernet LAN, the Zyxel AM3100-B0 relieves troublesome wiring.

### Benefits

#### Flexibility that boosts the efficiency of the existing infrastructure

The bridge/router function allows Zyxel AM3100 to be configured as an SFU or HGU. This allows facilitating service providers to start a new deployment or upgrade their service by connecting to the subscriber's existing broadband router. This dual-mode flexibility not only minimizes the CAPEX, but also saves future costs when service demand or deployment scenarios change.



Supports Gigabit data access via active fiber and Ethernet



Bridge and router modes



Remote management via TR-069, TR-098, and TR-181 i2



Comprehensive QoS enhanced triple-play experience



Zyxel OPAL realizes the flexibility and faster time to market

## Advanced QoS guarantees superior service quality

Equipped with IP QoS, the Zyxel AM3100-B0 enables service providers to offer real multi-play services with flexible QoS policy design and service prioritization.

## TR-069 remote management support

With TR-069 protocol support, Zyxel AM3100-B0 simplifies and secures remote configuration, upgrades, and diagnosis with minimal OPEX.

## Specifications

### System specifications

#### Active fiber standards

- Compliant with ITU-T G.657
- Compliant with 1000BASE-BX20-U
- Compliant with 100BASE-BX20-U
- IEEE 802.3ah EFM compliance
- TX 1310 nm/RX 1490 nm/RX 1550 nm
- Class 1 laser product

#### Gigabit LAN conformance

- IEEE802.3az (1000BASE-T)
- 10BASE-T/100BASE-TX/1000BASE-T

#### QoS

- 802.1Q/P VLAN
- DiffServ
- Flexible classification rule
- Supports 8 priority queues
- Traffic shaping, rate limiting per port

#### Management

- Web GUI (HTTP/HTTPS)
- Firmware upgrade via web/FTP/TFTP
- Remote management control TR-069/TR-098/TR-181
- Text-based configuration

### Hardware specifications

#### LAN interface

- Four GbE RJ-45 ports, 8P8C, Gigabit Ethernet supporting N-way, auto-sensing, auto-detection MDI/MDI-X

#### WAN interface

- One Gigabit SC/APC active fiber interface
- One GbE RJ-45 Ethernet interface (10/100/1000 Mbps)

#### Buttons

- Power jack
- Reset button

#### LEDs indicators

- Power
- Fiber
- Ethernet WAN
- Internet
- Ethernet (on LAN connector)

### Power consumption

- 9.5 watt max

### Physical specifications

- Item dimensions (WxDxH): 153.55 x 128.18 x 44.25 mm (6.1" x 5.1" x 1.74")
- Item weight: 341 g (0.75 lb.)
- Packing dimensions (WxDxH): 236 x 168 x 53 mm (9.29" x 6.62" x 2.09")
- Packing weight: 599 g (1.32 lb.)

### Environment specification

#### Operating environment

- Temperature: 0°C to 40°C (32°F to 104°F)
- Humidity: 10% to 90% RH (non-condensing)

#### Storage environment

- Temperature: -40°C to 70°C (-40°F to 158°F)
- Humidity: 10% to 95% (non-condensing)

### Certification

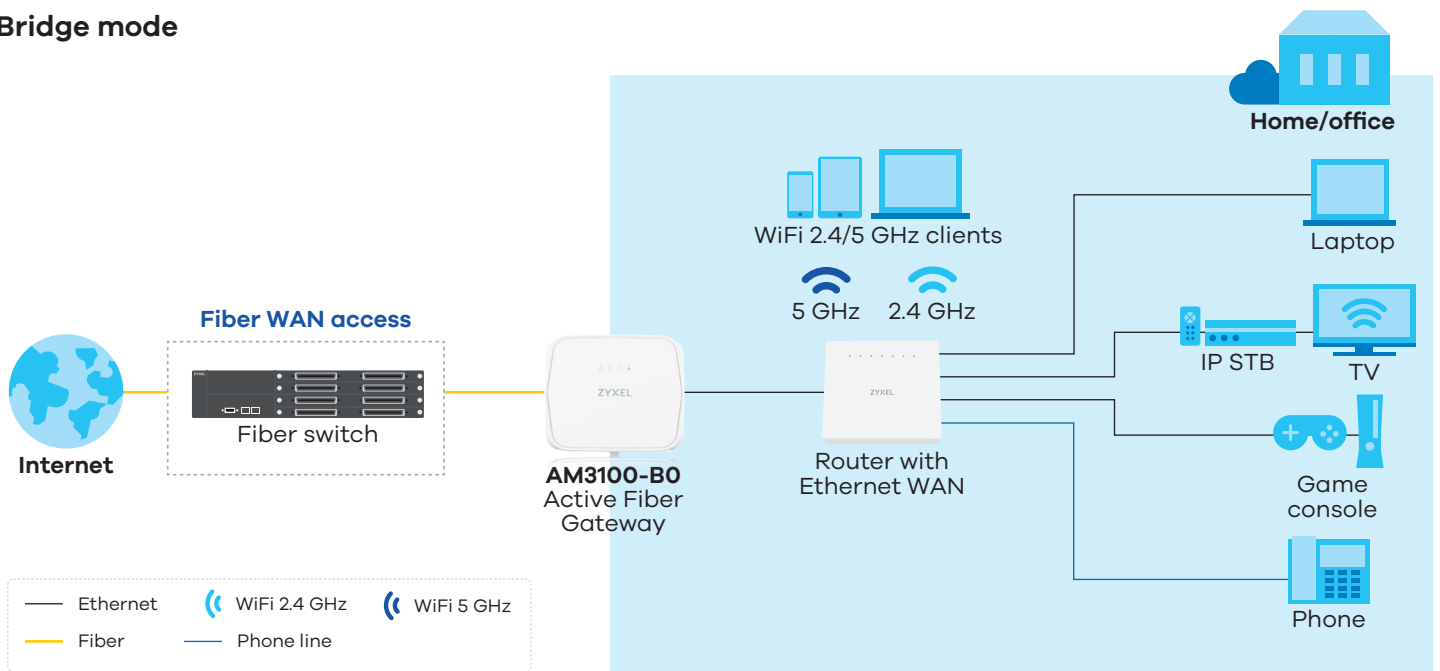
- CE

### Package contents

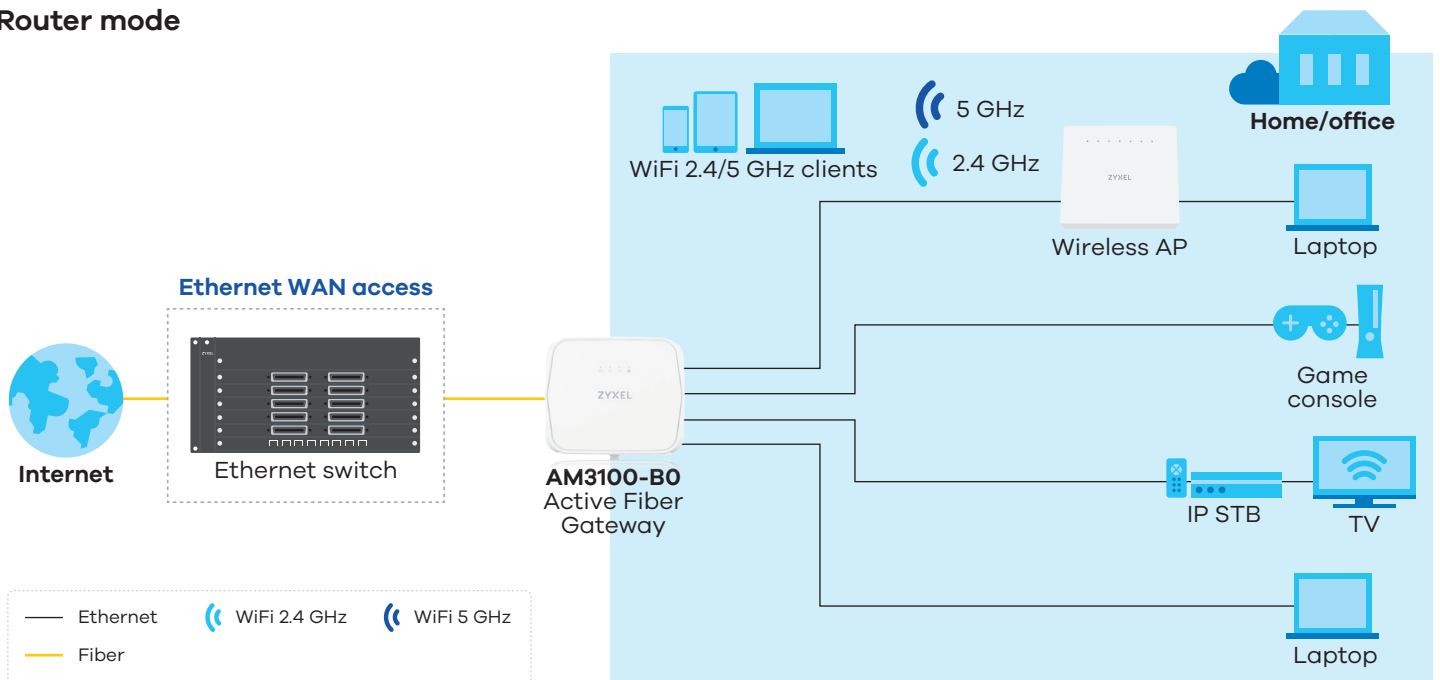
- Power adapter
- Ethernet cable
- Fiber cable
- Fiber adapter
- Quick Start Guide

# Application diagram

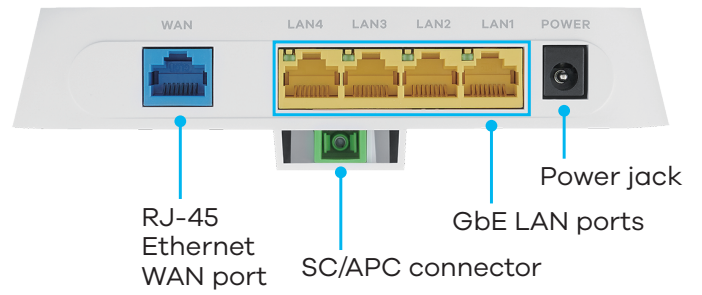
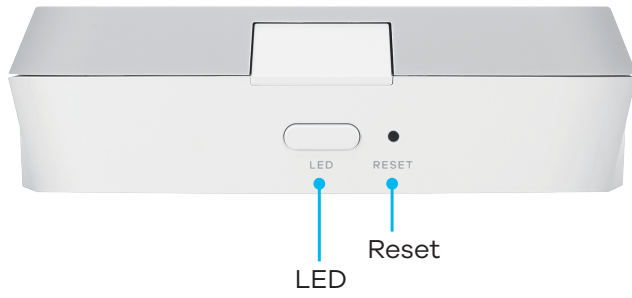
## Bridge mode



## Router mode



## Interface description



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

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Datasheet [AM3100-B0](#)



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