



FMG3005-R20A

Gigabit Active Fiber Bridge

The Zyxel FMG3005-R20A Gigabit Active Fiber Bridge relieves troublesome wiring and provides high-speed active fiber internet access to meet high-performance Gigabit bandwidth market requirements.

Benefits

Realize highest deployment efficiency at lowest CAPEX

The Zyxel FMG3005-R20A connects to existing broadband routers via a Gigabit Ethernet port, which minimizes CAPEX by keeping the existing infrastructure.

Easy indoor installation with a space-saving design

The compact size and lightweight of the FMG3005-R20A makes it perfect for indoor deployment. The simple and intuitive device design provides your subscribers with trouble-free installation and configuration experience, while allowing you to maintain excellent service quality with lower OPEX.



Compact size and simple bridge design for easy installation and deployment



Remote management via TR-069 and TR-098



Comprehensive QoS enhanced triple-play experience

Advanced QoS guarantees superior service quality

Equipped with IP QoS, the Zyxel FMG3005-R20A enables real multi-play services with flexible QoS policy design and service prioritization.

TR-069 remote management support

With TR-069 protocol support, Zyxel FMG3005-R20A simplifies and secures remote configuration, upgrades, and diagnosis with minimal OPEX.

Specifications

System specifications

Active fiber standards

- 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

Giga 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 (HTTP/Telnet)
- TR-069, TR-098
- Text-based configuration

Hardware specifications

LAN

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

WAN port

- 1 Gigabit active fiber interface (SC/UPC)

Buttons

- Power jack
- Power on/off switch
- Reset button

Status LEDs indicators

- Power
- Fiber
- Speed
- LAN

Power consumption

- 2.85 watt max

Physical specifications

- Item dimensions (WxDxH):
109.4 x 83.6 x 36.5 mm
(4.3" x 3.3" x 1.4")
- Item weight: 113 g (0.25 lb)
- Packing dimensions (WxDxH):
131 x 130 x 95 mm
(5.17" x 5.12" x 2.74")
- Packing weight: 342 g (0.75 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)

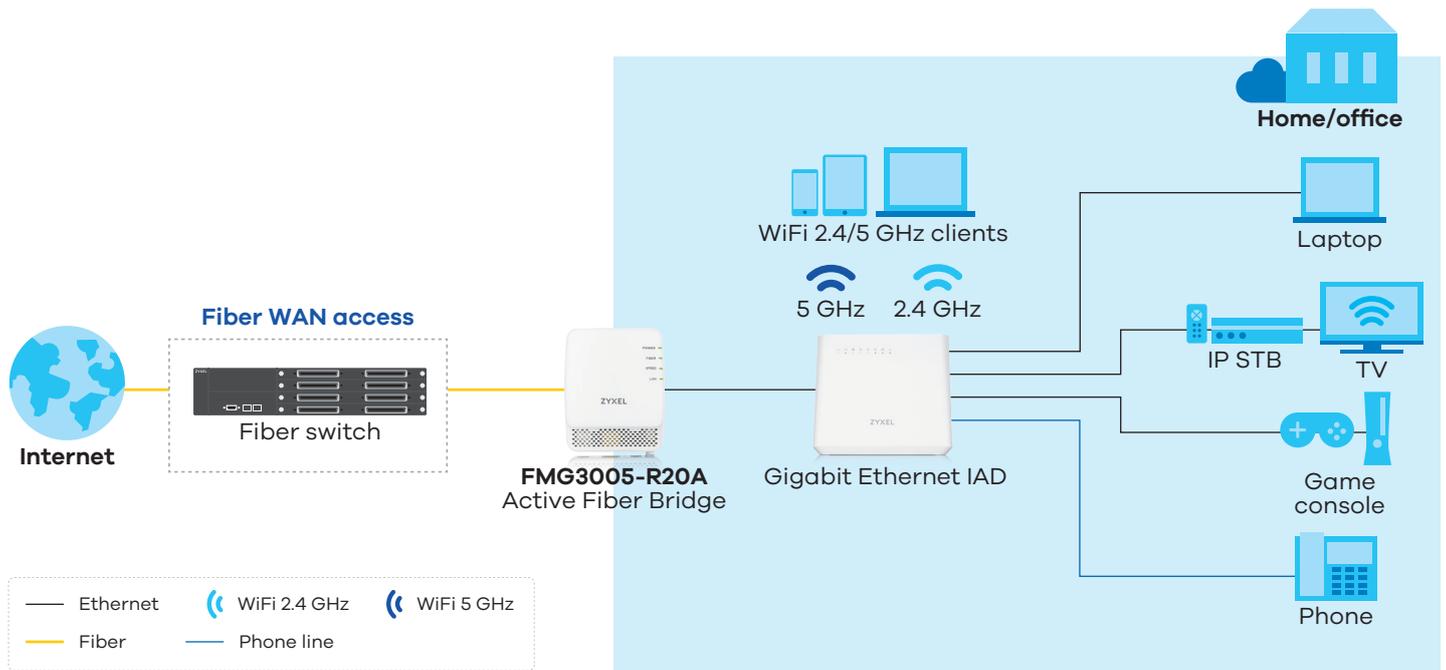
Certification

- CE

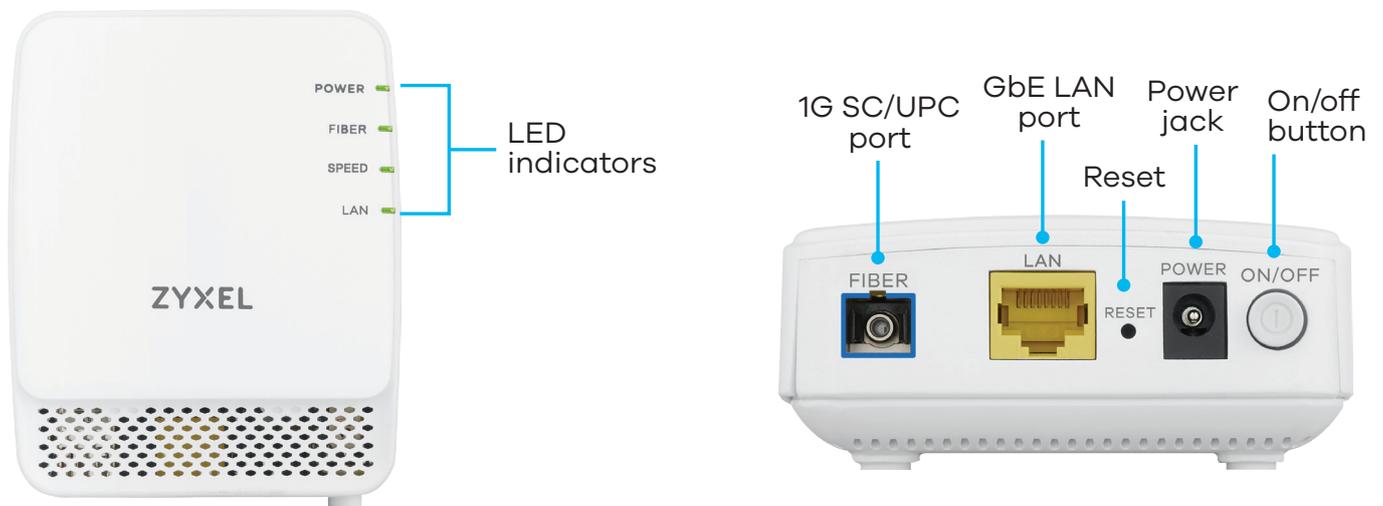
Package contents

- Active fiber bridge
- Power adapter
- Safety warning
- Quick Start Guide

Application diagram



Hardware description





For more product information, visit us on the web at www.zyxel.com

Copyright © 2020 Zyxel and/or its affiliates. All rights reserved. All specifications are subject to change without notice.



06/08/20

Datasheet [FMG3005-R20A](#)