



EE4210-00

Tri-Band Wireless BE9400 2.5G Ethernet Gateway

The Zyxel EE4210-00 Tri-Band Wireless BE9400 2.5G Ethernet Gateway delivers lightning-fast speeds with symmetrical 2.5GbE WAN/LAN. Powered by Wi-Fi 7, it offers ultra-fast throughput, low latency, and wide coverage, ideal for next-gen smart homes and seamless high-bandwidth applications.

Benefits

Wi-Fi 7 technology for superior lag-free performance

Supporting the latest Wi-Fi 7 (802.11be) standard and rated as BE9400*, the EE4210-00 delivers tri-band Wi-Fi with exceptional performance. With Multi-Link Operation (MLO) technology, the EE4210-00 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.

Premium MPro Mesh™ for whole-home Wi-Fi coverage

Featuring Zyxel MPro Mesh™ Solutions**, the EE4210-00 delivers self-adapting, easy-to-manage whole-home Wi-Fi coverage while reducing service OPEX.



Wi-Fi 7 (11be) tri-band 2x2+2x2+2x2 for superior performance and coverage



MLO (Multi-Link Operation) optimizes reliability and maximizes data speed



High-power FEMs and antennas deliver stronger coverage



Zyxel MPro Mesh™ Solutions (compliant with EasyMesh standards)



Remote management via TR-069/TR-369



2.5GbE WAN/LAN for symmetric high-speed broadband access



Wi-Fi management with Zyxel One



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

Wi-Fi management with Zyxel One

The EE4210-00 is fully compatible with the Zyxel One app, enabling optimal product placement and delivering a seamless, reliable Wi-Fi experience across home and office environments. Its intuitive interface simplifies installation and streamlines network management, helping reduce operational complexity and service calls while improving overall customer satisfaction.



Seamless whole-home fiber-grade service

With two 2.5GbE LAN ports, the EE4210-00 works seamlessly with any 2.5GbE 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-069/TR-369 remote management for lower OPEX

Compliant with TR-069/TR-369 standards, the EE4210-00 significantly simplifies deployment complexity and lowers operating and maintenance costs with its remote management capabilities. The additional support to the latest TR-181 issue-2 data model also enhances service providers' visibility on subscriber LAN networks to offer improved customer assistance.

Zyxel OPAL firmware achieves superior flexibility and shortens time to market

Compliant with the same OPAL firmware trunk applied to all Zyxel CPEs, the EE4210-00 inherits a rich, field-proven feature set for guaranteed same user experience after migrating to new devices.

Specifications

System specifications

Wireless standards

- IEEE 802.11b/g/n/ax/be 2.4 GHz
- IEEE 802.11a/n/ac/ax/be 5 GHz
- IEEE 802.11ax/be 6 GHz

Wireless transfer rates

- Transmit:
 - 802.11be (2.4 GHz): up to 688 Mbps
 - 802.11be (5 GHz): up to 2882 Mbps
 - 802.11be (6 GHz): up to 5765 Mbps

Wireless security

- WPA2-PSK/WPA3-SAE

Wireless features

- Auto channel selection
- Wi-Fi Multimedia (WMM)
- WPA2-PSK
- WPA3-SAE
- Wireless output power management
- Multiple SSID up to 4 for each band
- Intra-BSS traffic block
- MAC address filtering
- Wireless output power management
- Intra-BSS traffic block WPS 2.0
- Multi-link Operation (MLO)

- IPv4/IPv6 firewall (Stateful Packet Inspection)
- Denial-of-Service (DoS) attack prevention
- ICMP blocking

Routing

- IPv4/IPv6
- NAT
- Port forwarding
- WAN connection type: DHCP, PPPoE
- DHCP option 60/121/125
- DHCP server on LAN
- IGMP v2/v3
- IGMP proxy
- Dynamic DNS
- QoS support

VLAN

- 802.1q tag/tag based VLAN
- VLAN to ETH port mapping
- Bridged/routed VLAN support

Management

- Web GUI (HTTP/HTTPS)
- BBF TR-069/TR-369 via TR-098/TR-181 i2 data model

- Firmware upgrade via web GUI/TR-369/TR-069 protocol
- 2-tier level access and administration
- CAF II TR-143 speed test support

Hardware specifications

WAN/LAN

- One 2.5GbE RJ-45 port

LAN

- One 2.5GbE RJ-45 port
- Two 1GbE RJ-45 ports

Wireless

- 2.4 GHz: two internal antennas
- 5 GHz: two internal antennas
- 6 GHz: two internal antennas

Button

- WPS
- Reset

LED indicators

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

Power consumption

- 12 V DC/2 A
- 24 Watt max

Physical specifications

- Item dimensions (LxWxH):
150.5 x 60 x 161 mm
(5.93" x 2.36" x 6.34")
- Item weight: 300 g (0.66 lb.)
- Packing dimensions (LxWxH):
248.5 x 169 x 95 mm
(9.78" x 6.65" x 3.74")
- Packing weight: 400 g (0.88 lb.)

Environmental specifications

Operating environment

- Temperature:
0°C ~ 40°C (32°F ~ 104 °F)
- Humidity:
10% ~ 90% (Non-condensing)

Storage environment

- Temperature:
-30°C ~ 70°C (-22°F ~ 158°F)
- Humidity:
10% ~ 95% (Non-condensing)

Certification

- FCC
- ISED

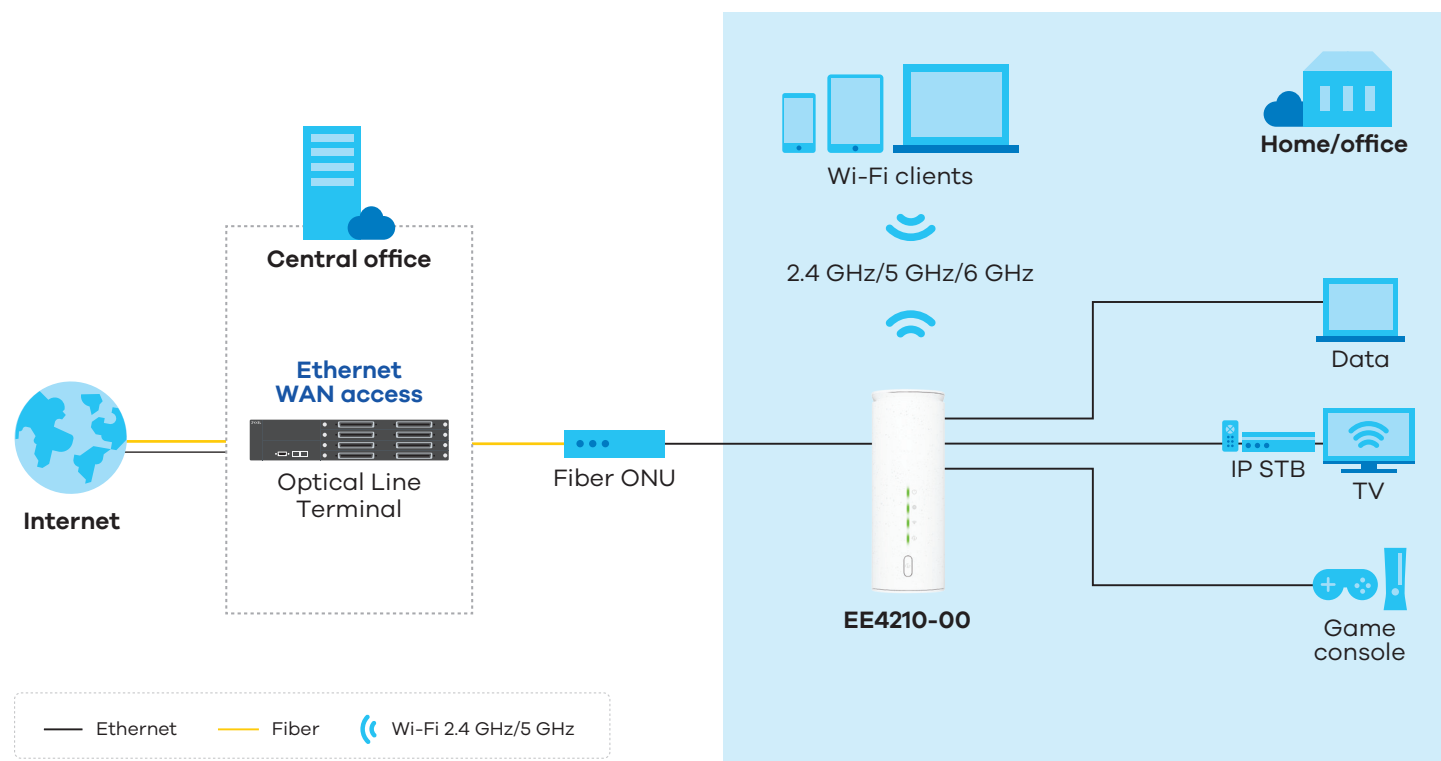
Package contents

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

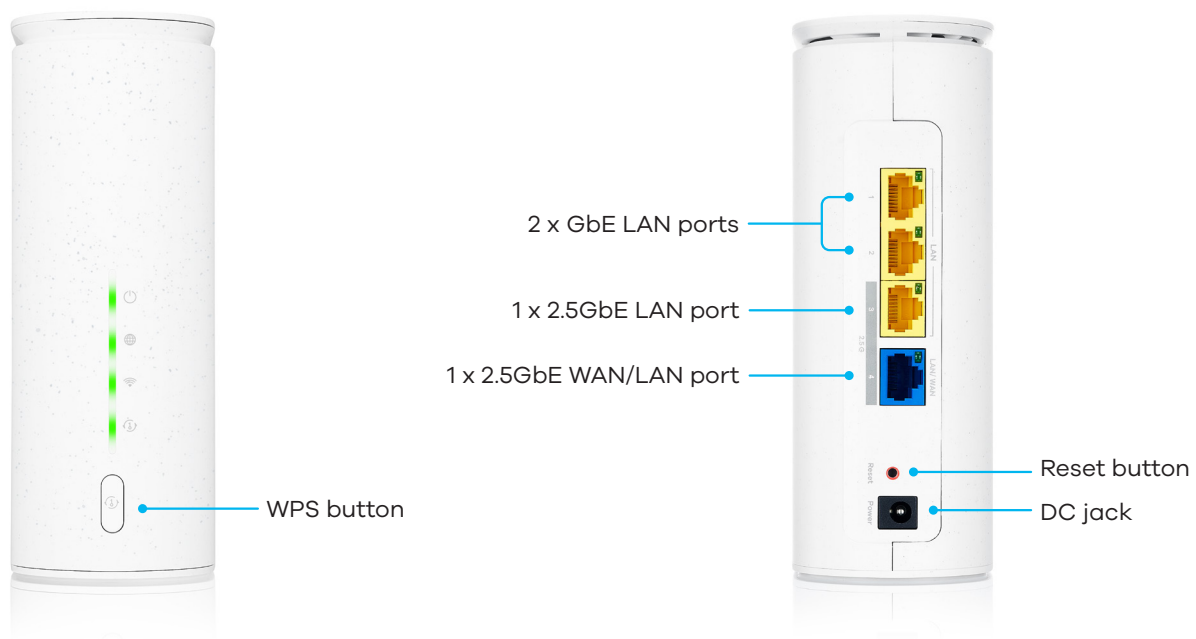
* The maximum wireless data is derived from IEEE standard 802.11 specifications. Actual data transfer rate will vary from network environment including: distance, network traffic, building site materials/construction, interference from other wireless devices, and other adverse conditions.

** Pairing the EE4210-00 with a compatible wireless extender is recommended for optimal mesh network performance.

Application diagram



Hardware interface



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

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Datasheet [EE4210-00](#)



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