



EMG6726-B10A

Dual-Band Wireless AC/N Gigabit Ethernet Gateway

The Zyxel EMG6726-B10A Dual-Band Wireless AC2400 Gigabit Ethernet Gateway provides high-speed Internet access to meet the worldwide market requirements for triple-play services. Featuring the built-in 4x4 802.11ac WLAN function that relieves troublesome wirings, the EMG6726-B10A offers extreme coverage for great WiFi user experience. Moreover, the user-oriented design also allows the EMG6726-B10A to meet every customer's own style while providing powerful and practical functions.

Benefits

The triple-play powerhouse

The Zyxel EMG6726-B10A is built with sophisticated QoS and multicast traffic shaping features like IGMP v1/2/3 snooping and VLAN capabilities for premium video delivery services. To wireless IPTV operators, its built-in 4x4, 802.11ac chip is the top choice.



Ethernet WAN speeds up to 1000Mbps



AC2400, dual-band WiFi with 1.7 Gbps* 802.11ac 4x4 Wave 2 technology



Excellent routing and QoS capability to prioritize applications as needed



NAT, firewall with SPI and DoS for better security



Stand-alone and wall mountable

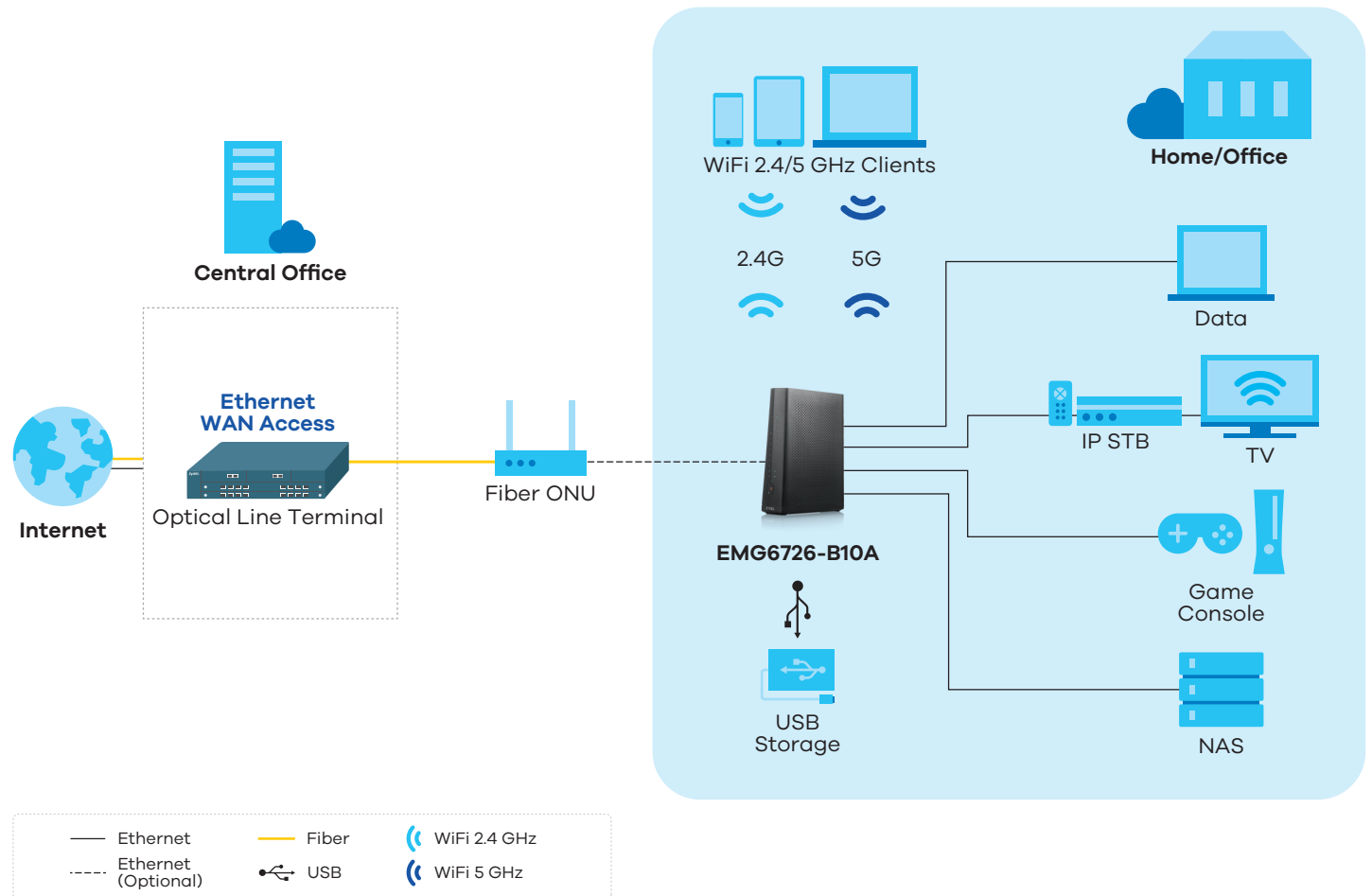
Carrier-class WiFi for seamless mobility

Rated as AC2400, the Zyxel EMG6726-B10A delivers speeds of up to 1.7 Gbps* over 5 GHz and 600 Mbps* over 2.4 GHz. For better user experience, the EMG6726-B10A offers dual-band WiFi with performance-boosting features such as Multi-User MIMO (MU-MIMO) and Beamforming for

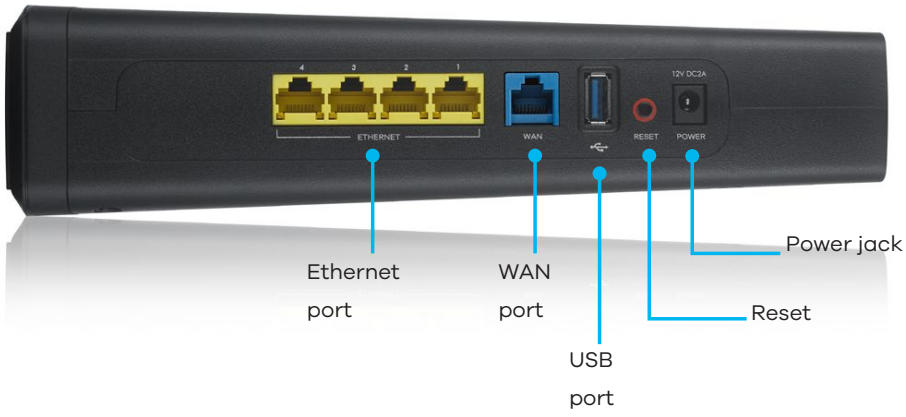
simultaneous, lag-free streaming and gaming experiences. In addition, its ability to create multiple WiFi networks with up to 4 SSIDs helps operators to easily create individual WLAN networks for video, data and guests.



Application Diagram



Interface description



Specifications

System Specifications

Wireless Standard

- 802.11 b/g/n 2.4 GHz, data rate 600 Mbps
- 802.11 a/n/ac 5 GHz, data rate 1733 Mbps

Router/Bridge Features

- IEEE 802.1d transparent bridge & basic spanning tree
- PPPoE (RFC 2516)
- PPPoA (RFC 2364)
- MAC encapsulation routing/IPoE
- Network Address Translation (NAT)
- NAT virtual server (port forwarding)
- DHCP client/server/relay with DHCP option 43/60/61/125
- DNS proxy/dynamic DNS
- Static/Policy route
- IGMP v1, v2, v3
- IPv4/IPv6

Wireless

- Wireless Protected Setup (WPS)
- WMM
- WPA2-PSK with AES
- Security type
- Multi SSID: up to 4
- MU-MIMO support

VLAN/QoS

- 802.1Q VLAN tagging/un-tagging
- Support flexible traffic classification

Firewall & Security

- Generic packet filter
- DoS attack prevention
- Parental control

USB

- File sharing

Management

- Web/HTTP: 3 level log-in via SSH or Telnet
- Firmware upgrade via web GUI/FTP/TR-069 method
- Text based configuration
- Configuration backup/update/restore default via web
- Configurable access control for remote management (interface and/port number)
- DSL forum TR-069, TR-098, TR-181
- TR-111 and TR-181 i2
- SNMP v1, v2
- Rom-D support
- UPnP port forwarding rules on page

Hardware Specifications

- WAN: One 10/100/1000 Mbps
- Wireless:
 - Three internal antennas (2.4 GHz)
 - Four internal antennas (5 GHz)
- Ethernet ports RJ-45 (8P8C)
- USB: One USB 2.0 host

Processor:

- 1 GHz dual-core ARM based processor plus additional offload engines and dedicated quad-core routing accelerator

Button:

- One reset button
- One WPS on/off button

Status LEDs indicators:

- Power
- WAN
- Internet
- LAN
- USB
- WLAN-2.4G/WPS
- WLAN-5G/WPS

Power Consumption

- 12 V DC/2 A

Physical Specifications

- Item dimensions (WxDxH): 175 x 60 x 245 mm (6.88" x 2.36" x 9.64")
- Item weight: 546 g (1.20 lb.)
- Packing dimensions (WxDxH): 345 x 232 x 65 mm (13.58" x 9.13" x 2.55")
- Packing weight: 995 g (2.19 lb.)

Environmental Specifications

Operating Environment

- Temperature: 0°C to 40°C (32°F to 104°F)
- Humidity: 20% to 95% (Non-condensing)

Storage Environment

- Temperature: -30°C to 70°C (-22°F to 158°F)
- Humidity: 20% to 95% (Non-condensing)

Certification

- Safety: CB
- EMC: FCC

Package Contents

- Wireless 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.

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