ZYXEL

WAP6804

Dual-Band AC2100 Gigabit Wireless Bridge

The Zyxel WAP6804 Dual-Band AC2100 Gigabit Wireless Bridge is a carrier–grade extender that boosts your home network coverage with extreme WiFi speeds of up to 2100 Mbps. With intelligently designed internal antenna placed on the top, it blankets your home with wireless coverage and eliminates dead spots effectively. As a key component of Multy Pro Managed WiFi Solution, the WAP6804 can deliver Ultra HD and IPTV streaming smoothly and provide seamless roaming everywhere in the house.

Benefits

High speed makes a complete wireless solution

With speeds as high as 4x4 802.11 AC up to 1733 Mbps* and 2x2 802.11N up to 300* Mbps, the Zyxel WAP6804, a Dual-Band AC2100 Gigabit Wireless Bridge, is a concurrent extender that brings you the optimal WiFi experience. The high-power amplifier and beamforming technology empower WAP6804 with high speed for multi-streaming service and data access in homes, and it maintains the connection quality of traditional wires with shortened installation time and more flexibility for deploying IPTV or broadband services at the same time.

300 Mbps   **1733 Mbps**

2.4 GHz   5 GHz

- 2100 Mbps dual-band concurrent wireless access point
- Zyxel Multy Pro extends whole-home WiFi coverage effortlessly
- Integrate high-power amplifiers and Beamforming technology
- Video-grade QoS optimizes video streaming
- Multi-color Link quality LED for easy Installation
- AP/Client/Repeater mode switch for different application
- Support TR-069/TR-098/TR-181 remote management
- Dual images for reliable system recovery

Datasheet WAP6804

MULTY

Easily extend and manage WiFi with Multy Pro

The Multy Pro is an advanced, integrated WiFi solution comprising broadband gateways, wireless extenders, software, and a mobile app. Together they provide subscribers with high-performance, wall-to-wall mesh WiFi connectivity.

The Zyxel Multy Pro Solution streamlines wireless networking with auto-configuration, WiFi range extension, band steering, and seamless client roaming, along with other advances. Additionally, subscribers can utilize the Multy Pro app to quick-check WiFi network status, change passwords, and easily set up QR-coded guest access. The Zyxel Multy Pro Solution not only provides whole-home mesh WiFi coverage for complete subscriber satisfaction, the solution allows service providers to take advantage of TR-069 and TR-181 remote management. This helps to reduce support calls and costs with premium services, keeping customers happy while reducing churn rate.

Zyxel Multy Pro supported gateway

MULTY
Multy Pro Managed WiFi Solution

Three modes for different applications via hardware switch

The Zyxel WAP6804 works with any standard routers and features a hardware switch for selecting the operating mode among AP, Repeater, and Client. There's no need for extra wire deployments, just a simple push–button setup and the device is ready to work.

Client Mode

Ethernet

Living Room

Gateway

Ethernet

AP Mode

Repeater Mode

Remote management through TR-069/TR-098/TR-181

The TR-069/TR-098/TR-181 standard helps service providers to manage the devices remotely without any user interventions. It also helps reducing complexity of deployments, operating costs and maintenance expenses at the same time.

Scheduled Upgrade   **Authentication**   **Auto Configuration**   **Diagnostics**   **Reset to Default**

Specifications

System Specifications

Wireless Standard
- IEEE 802.11 a/n/ac 5 GHz
- IEEE 802.11 b/g/n 2.4 GHz

Wireless Speed
- Transmit/Receive:
  - 1733 Mbps* for 5 GHz
  - 300 Mbps* for 2.4 GHz

Wireless Security
- WPA-PSK/WPA2-PSK

Wireless Features
- Auto channel selection
- Beamforming
- Video-grade QoS
- WiFi Protected Setup (WPS)
- WiFi Multimedia (WMM)
- MAC address filtering
- Multiple SSIDs (up to 8 SSIDs: four 2.4G SSIDs/four 5G SSIDs)

System Management
- HTTP/GUI, Telnet/CLI
- TR-069/098/181 remote management
- Remote firmware upgrade
- Dual-image system recovery
- DHCP client and IGMP snooping

Operation Mode
- AP/Client/Repeater

Hardware Specifications

LAN
- Two 10/100/1000 Mbps Ethernet RJ-45 ports with auto MDI/MDIX support

Antenna
- 5G: Four internal antennas
- 2.4G: Two internal antennas

LED Indicator
- WPS/Mode/Link quality/5G/2.4G/LAN2/LAN1/Power

Buttons
- Power on/off
- Reset/Restore
- AP/Client/Repeater mode switch
- WPS

Physical Specifications
- Item dimensions (WxDxH): 138 x 27 x 193 mm (5.43" x 1.06" x 7.59")
- Item weight: 290.6g (0.64 lb.)
- Packing dimensions (WxDxH): 320 x 71 x 173 mm (12.64" x 2.80" x 6.80")
- Packing weight: 356.2g (0.78 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)

Certifications
- FCC Part 15B/FCC Part 15E (including DFS)
- IC
- CE

Package Contents
- Wireless bridge
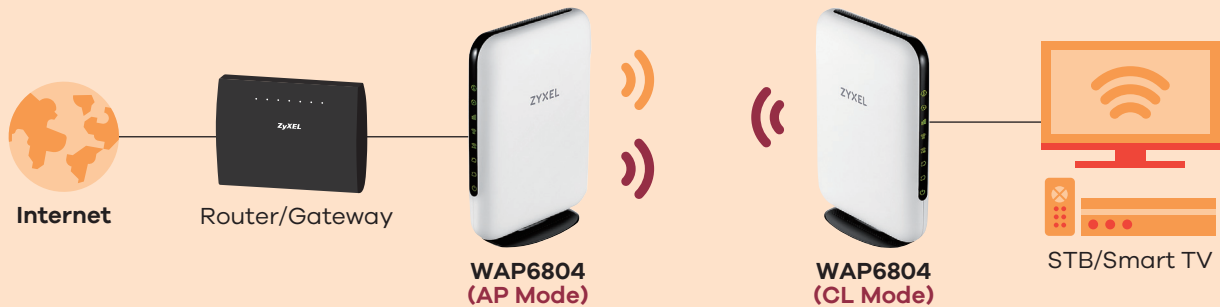- Power adapter
- Ethernet cable
- Quick start guide

* The maximum wireless data transfer rate 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.
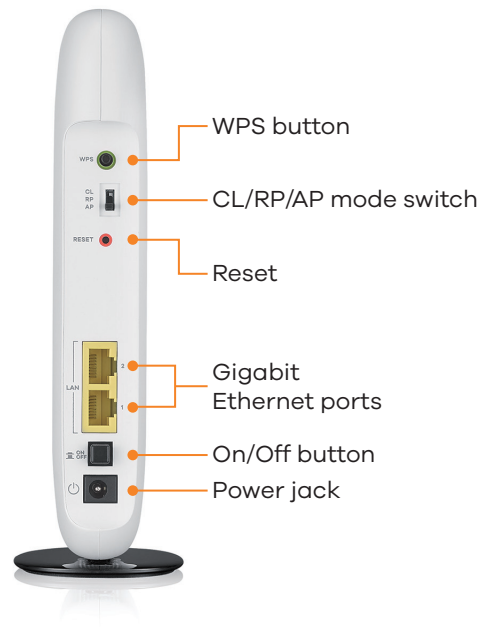
Application Diagram

Scenario 1

Internet — Router/Gateway))) 2.4G (((WAP6804 (RP Mode)))) 2.4G (((WiFi 2.4/5 GHz Clients
5G

Internet

Router/Gateway

WAP6804 (RP Mode)

2.4G

5G

WiFi 2.4/5 GHz Clients

Scenario 2

Internet

Router/Gateway

WAP6804 (AP Mode)

WAP6804 (CL Mode)

STB/Smart TV

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

Front Panel

LED indicators

ZYXEL

Rear Panel

WPS button

CL/RP/AP mode switch

Reset

Gigabit Ethernet ports

On/Off button

Power jack

FC CE ① RoHS VERIFIED

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