tp-link | Aginet

Wi-Fi 7

BE5000 Whole Home Mesh Wi-Fi 7 AP

MODEL: HB210 Pro



Overview

Leveraging the cutting-edge Wi-Fi 7 technology and our expertise in Wi-Fi technology, HB210 Pro offers fast Wi-Fi speeds up to 5.0 Gbps, faster than Wi-Fi 6. Enjoy improved Wi-Fi experiences with higher speeds and lower latency thanks to a groundbreaking mix of 4K-QAM, multi-link operation, multi-RU, and 4 simultaneous spatial streams. With a 2.5 GbE WAN/LAN port and a 2.5 GbE LAN port, you can enjoy multi-gig internet access, fast wired connections, and a robust smart mesh network that covers your entire home.

5.0 Gbps Dual Band Wi-Fi

Deliver total Wi-Fi speeds up to 5.0 Gbps across 5 GHz and 2.4 GHz bands with lower latency and better online experiences.

2.5G Multi-Gig Connectivity

Boost whole internet throughput up to 2.5 Gbps for smoother and faster online activities. A 2.5 GbE WAN/LAN port and a 2.5 GbE LAN port enables both fast and flexible internet access.

Increased Capacity

Connect over 200 devices simultaneously, enjoy a more efficient network that loads faster with high performance.

Multi-link Operation (MLO)

Achieve higher throughput for each device with lower latency and higher reliability via multi-link aggregation across two bands.

Features

Easy to Set Up and Use

Set up your device and network in minutes, whether you prefer the powerful Aginet app or the intuitive web interface.

EasyMesh Compatible

HB210 Pro adopts standard EasyMesh technology. All compatible units can work together to form a mesh network to cover every corner of a home.

Easy Remote Management

TR-069/TR-369 protocols and TAUC (TP-Link Aginet Unified Cloud) are supported, service providers can manage multiple devices remotely.

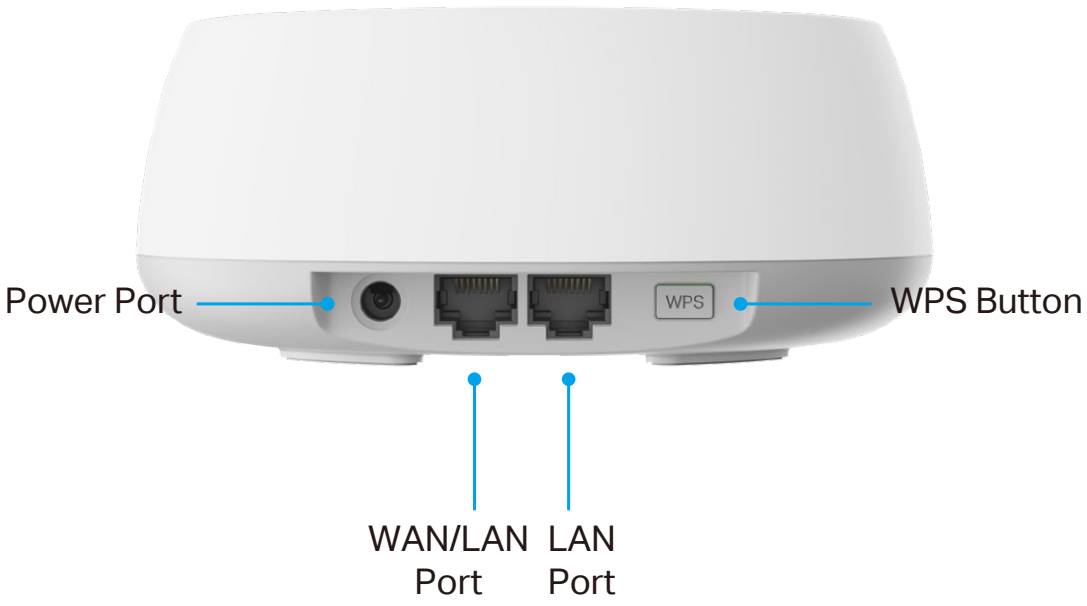
Whole Home Coverage

All units work together to form a unified mesh network that covers every corner of your home based on standard EasyMesh technology.

Enhanced Security

WPA3 encryption, Multi-SSID, and parental controls provide personalized and safer online experience.

Hardware Description



Specifications

Hardware

- Ethernet Port

  1× 10/100/1000/2500 Mbps RJ45 WAN/LAN Port,
  1× 10/100/1000/2500 Mbps RJ45 LAN Port,

- Button

  1× RESET button at the bottom,
  1× WPS button on the back

- Dimensions (W × D × H)

  5.91 × 5.91 × 2.44 in (150 × 150 × 62 mm)

- Power Adapter Input

  100-240V~50/60Hz 0.6A

- Power Adapter Output

  12V/1.5A

- Antenna

  Internal Wi-Fi antennas

Wireless

- Wireless Standards

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

- Mesh protocol

  802.11k/v/r

- Frequency

  5 GHz, 2.4 GHz

- Signal Rate

  5 GHz: 4324 Mbps (802.11be)
  5 G supports 240MHz bandwidth.
  2.4 GHz: 688 Mbps (802.11be)

- Transmit Power

  CE: <20 dBm (2.4 GHz), <30 dBm (5 GHz)
  FCC: <30 dBm (2.4 GHz), <30 dBm (5 GHz)

- Wireless Security

  WPA/WPA2-PSK/WPA3 encryptions

Software

- Working Mode

  Router Mode, Access Point Mode

- WAN Type

  Dynamic IP/Static IP/PPPoE/L2TP/PPTP(Multi-EWAN)

- DHCP

  Server, DHCP Client List, Address Reservation

- Protocols

  Supports IPv4 and IPv6

- Guest Network

  1× 5 GHz Guest Network
  1× 2.4 GHz Guest Network

- Features

  Multi-Link Operation (MLO), 4K-QAM, Multi-RU, OFDMA, BSS Color, Parental Control, QoS (Quality of Service), Port Forwarding, Cloud Firmware Upgrade, Firewall, Network Diagnostic, CWMP, Traffic Statistic

- Management

  Local management: WebGUI management, Aginet app management
  Remote management: TR-069, TR-181, TR-369, TR-111,TR-143
  Cloud management: TAUC

- Multi SSID

  Up to 3 SSIDs for each band (including main SSID)

- Dynamic DNS

  NO-IP, DynDNS, TP-Link

- VPN Server

  PPTP, OpenVPN, IPSec

- VPN Pass-Through

  IPSec, PPTP, L2TP

- Access Control

  Parental Control, Local Management, Host List, White/Black List

- Firewall Security

  DoS, SPI Firewall, IP and MAC Address Binding

Others

- Certification

  CE, FCC, RoHS

- Environment

  Operating Temperature: 0°C~40°C (32°F~104°F)
  Storage Temperature: -40°C~60°C (-40°F~140°F)
  Operating Humidity: 10%~90%RH
  Storage Humidity: 5%~90%RH

- Package Contents for HB210 Pro

  1× BE5000 Whole Home Mesh Wi-Fi 7 AP HB210 Pro
  1× RJ45 Ethernet cable
  1× Power adapter
  1× Quick Installation Guide