

# BE11000 Whole Home Mesh Wi-Fi 7 AP

MODEL: HB615



## WiFi 7, WiFi Like Never Before

WiFi 7 has arrived with jaw-dropping performance - offering accelerated throughput, lower latency, stronger anti-jamming, and higher efficiency. Join the league of pros and experience the sheer performance of the next-generation WiFi.

HB615 features Wi-Fi 7 with the latest 6 GHz band, 320 MHz bandwidth, 4K-QAM, and Multi-RU for a combined speed of up to 11 Gbps, creating whole home multi-gigabit coverage.



### 11 Gbps Tri-Band Wi-Fi

Deliver total Wi-Fi speeds up to 11 Gbps across 6 GHz, 5 GHz, and 2.4 GHz bands with lower latency and better online experiences.



### Outstanding 5 Gbps Wired Performance

Boost whole internet throughput up to 5 Gbps for smoother and faster online activities. An additional 5 Gbps LAN port and a 2.5 Gbps LAN port offer ultra-fast and flexible internet access.



### Increased Capacity

Connect over 200 devices simultaneously with 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 three bands.

## Features



### Down to the Last Detail

TP-Link's in-house component research and thorough hardware selection ensure the quality and value of the entire mesh system. Everything comes together to form the perfect Mesh device HB615.



### EasyMesh Technology

HB615 adapts this standard for improved compatibility and functionality, including Wi-Fi diagnostics, channel selection, and traffic separation. Walk through your home and enjoy seamless streaming at the fastest possible speeds.



### Simple. Easy. Yet Powerful.

Setup and manage your network anytime and anywhere on the friendly TP-Link Aginet app. In just three easy steps your entire home can be blanketed in strong and reliable WiFi.

## Hardware Description



# Specifications

## Hardware

- Ethernet Port
  - 1× 5 Gbps RJ45 WAN/LAN Port
  - 1× 5 Gbps RJ45 LAN Port
  - 1× 2.5 Gbps RJ45 LAN Port
  - 1× USB 2.0 Port
- Button
  - 1× RESET button at the bottom
  - 1× WPS button on the back
- Dimensions (W × D × H)
  - 4.23 × 4.23 × 6.93 in (107.5 × 107.5 × 176 mm)
- Power Adapter Input
  - 100-240V~50/60Hz 1A
- Power Adapter Output
  - 12V/3.3A
- CPU
  - Quad A53 @ 1.5GHz
- Antenna
  - Internal Antennas
- Cooling Method
  - Passive

## Wireless

- Wireless Standards
  - IEEE 802.11be/ax 6 GHz
  - 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
  - 6 GHz, 5 GHz, 2.4 GHz
- Signal Rate
  - 6 GHz: 5760 Mbps (802.11be, 2\*2)
  - 5 GHz: 4320 Mbps (802.11be, 2\*2)
  - 2.4 GHz: 688 Mbps (802.11be, 2\*2)
- Transmit Power
  - IMDA: <24 dBm(6 GHz), <30 dBm(5 GHz), <23 dBm(2.4 GHz)
- Wireless Security
  - Enhanced Open
  - WPA-PSK(TKIP)+WPA2-PSK(AES)
  - WPA2-PSK(AES)
  - WAP2- PSK(AES)+WPA3-Personal
  - WPA3-Personal

## Software

- Working Mode
  - Router Mode, Access Point Mode
- WAN Type
  - Dynamic IP/Static IP/PPPoE/L2TP/PPTP(Multi-EWAN)
- Multi SSID
  - Up to 3 SSIDs for each band (including main SSID)
- DHCP
  - Server, DHCP Client List, Address Reservation
- Protocols
  - Supports IPv4 and IPv6
- Guest Network
  - 1× 6 GHz Guest Network
  - 1× 5 GHz Guest Network
  - 1× 2.4 GHz Guest Network
- Features
  - Multi-Link Operation (MLO), 320 MHz Bandwidth, 4K-QAM, Multi-RU, OFDMA, Beamforming, Band Steering, Airtime Fairness, WiFi Schedule, Wireless Statistics, Guest Network, Parental Control, QoS(Quality of Service), Port Forwarding, Cloud Firmware Upgrade, Firewall, Network Diagnostic, CWMP, Traffic Statistic
- Management
  - Local management: WebGUI, Aginet app
  - Remote management: TR-069, TR-181, TR-369, TR-111, TR-143
  - Cloud management: TP-Link Aginet Unified Cloud (TAUC)
- 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
  - IDMA
- 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 HB615
  - 1× BE11000 Whole Home Mesh Wi-Fi 7 AP HB615
  - 1× RJ45 Ethernet cable
  - 1× Power adapter
  - 1× Quick Installation Guide