

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

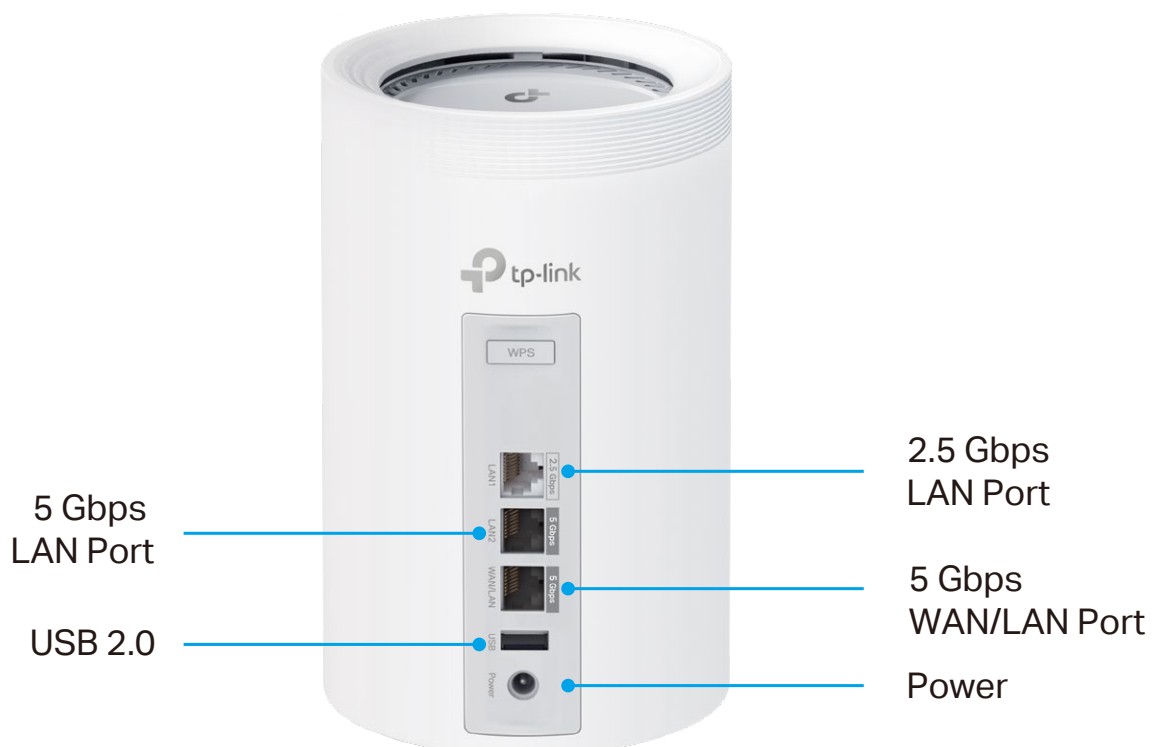
HB615 adapts this standard for improved compatibility and functionality, including Wi-Fi diagnostics, channel selection, and traffic separation. Walk through your home and enjoy seamless streaming at the fastest possible speeds.



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
 - FCC: <30 dBm(6 GHz), <30 dBm(5 GHz), <30 dBm(2.4 GHz)
- Wireless Security
 - WPA/WPA2/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
 - FCC
- 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