deco™ | The Latest Wi-Fi Technology

Wi-Fi 7

BE11000
Tri-Band Whole Home Mesh Wi-Fi 7 System

HomeShield

works with Google Home



Deco BE11000

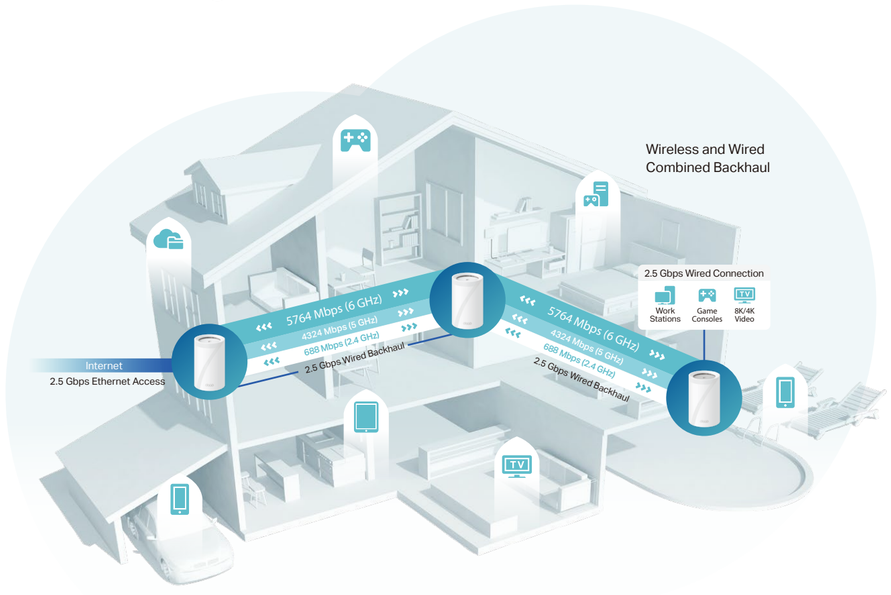
tp-link

Highlights

Wi-Fi 7: A True Whole Home Multi-Gigabit Mesh

A True 2.5G Era

Powered by Wi-Fi 7, the Deco BE11000 offers tri-band Wi-Fi speeds up to 11 Gbps. 4x 2.5 Gbps ports match your 2.5G internet access and serve as a wired backhaul between Deco units or LAN connections for devices. Enjoy seamless downloading, streaming, and gaming with ample bandwidth for demanding households.



Unrivaled Tri-Band Wi-Fi 7

Wi-Fi 7 technology revolutionizes your home Wi-Fi experience. Connect more devices at faster speeds with smoother connections and less interference.

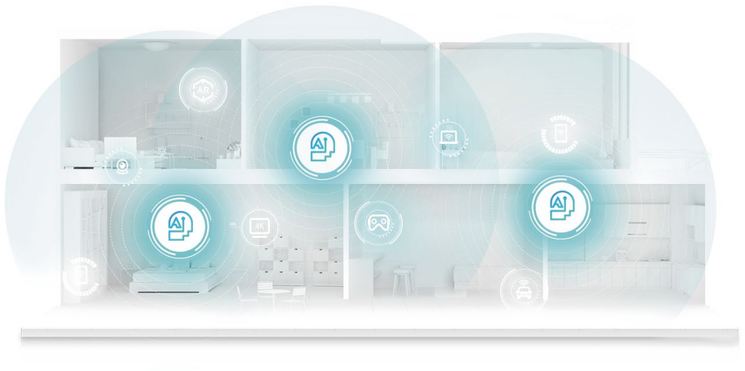


- Multi-Link Operation (MLO)△
- 320 MHz Bandwidth△
- 4K-QAM△
- Multi-RU△

Highlights

Seamless AI-Driven Mesh

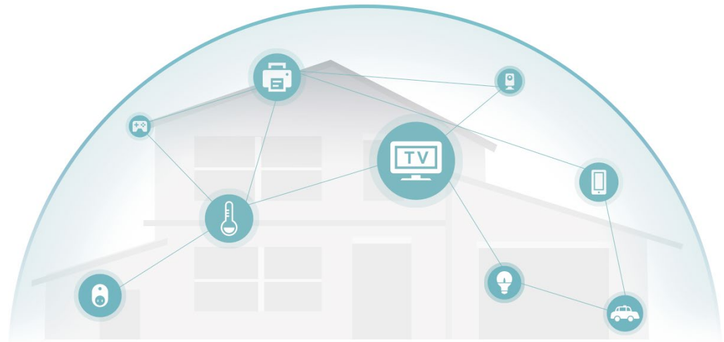
Built-in AI-Roaming technology delivers optimal connection as you move from room to room.‡



- Seamless Roaming with One Wi-Fi Name
- Sophisticated Algorithms
- Self-Learning Capability
- Customized Wi-Fi

Enhanced Security – HomeShield

Rest easy knowing your home network is protected with TP-Link's advanced encrypted security, HomeShield.*



- Network Protection
- Parental Controls
- Comprehensive Reports
- Quality of Service (QoS)

Features

Robust Parental Controls

Manage content and control when each device can access the internet

- Profiles – Create a profile for each family member, and manage them individually
- Content Filter – Four levels are available for filtering content, each catering to a specific age group
- Time Controls – Set daily time limits for the total time spent online and block a person's internet access between certain times
- Pause the Internet – Pause a family member's internet and resume it whenever you like

Built-In Antivirus

Protect all connected devices in your home from viruses and malware

- Malicious Content Filter – Block malicious websites that are listed in real-time updated database to ensure you can surf the net in safety
- Intrusion Prevention System – Protect your network and applications against external attacks and eliminates vulnerabilities
- IoT Devices Protection – Detect cyber threats to keep your privacy and IoT devices well protected

Security

Safeguard your home network with a firewall and wireless encryption

- Encryption for Secure Network – WPA/WPA2/WPA3 encryptions provide active protection against security threats
- Firewall – Protect your network devices from malicious attacks
- Blacklist – Add specific devices to blacklist to protect your network from unauthorized users

Easy Setup by Deco App

Easily set up Decos and find the ideal spot to place each unit

- Auto Connection Test – Test the internet connection of your Decos and helps to identify a suitable location for them
- Remote Management – Manage your Deco network from a smartphone or tablet via the app, no matter where you find yourself
- Online Upgrade – Keep informed of the latest firmware updates

Quality of Service

Prioritize devices and applications for faster performance when needed

- For Devices – Give high priority to the devices that need the fastest internet connection

Work with Multiple Devices

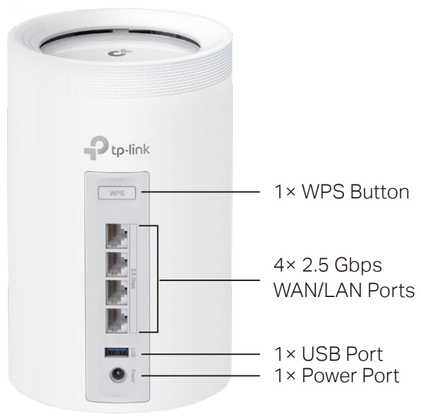
Form a Mesh network with your desired Deco models

- Work with all Deco models – All Deco models can work together. Just expand Mesh Wi-Fi coverage anytime by adding more Decos
- Backwards Compatible – Compatible with all Wi-Fi generations and devices**, and works seamlessly with all internet service providers.☆

Specifications

Hardware

- Ethernet Port: 4 × 2.5 Gigabit ports per unit (WAN/LAN auto-sensing)
- Button: 1 RESET button at the bottom, 1 WPS button on the back
- Port: 1× USB 3.0 Port
- Power Consumption (without power adapter): 27.5 W max
- Dimensions (W × D × H): 4.23 × 4.23 × 6.93 in (107.5 × 107.5 × 176 mm)
- Power Adapter Input: 100-240V~50/60Hz 0.8 A
- Power Adapter Output: 12V ⎓ 2.5 A



Wireless

- Wireless Standards: IEEE 802.11b/g/n/ax/be 2.4 GHz, IEEE 802.11a/n/ac/ax/be 5GHz, IEEE 802.11ax/be 6 GHz
- Mesh protocol: 802.11k/v/r
- Frequency: 2.4 GHz, 5 GHz, 6 GHz
- Signal Rate: 5764 Mbps (6 GHz) + 4324 Mbps (5 GHz) + 688 Mbps (2.4 GHz)†
- Transmit Power: FCC: <30 dBm (2.4 GHz), <30 dBm (5 GHz), <30 dBm (6 GHz)
- Wireless Security: WPA/WPA2-PSK/WPA3◊ encryptions

Software

- Working Mode: Router, Access Point
- WAN Type: Dynamic IP/Static IP/PPPoE/L2TP/PPTP
- DHCP: Server
- Protocols: Supports IPv4 and IPv6
- Guest Network: 2.4 GHz Guest Network×1, 5 GHz Guest Network×1, 6 GHz Guest Network ×1
- IoT Network: IoT Network×1
- MLO Network: MLO Network×1
- Features: TP-Link HomeShield*, Multi-Link Operation (MLO)△, 320 MHz Bandwidth△, 4K-QAM△, Multi-RU△, MU-MIMO△, OFDMA△, BSS Color△
- Management: Local Management; Remote Management; Multi-Managers

Others

- Certification: 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 Deco BE11000(3-pack):
  3 Deco BE11000 units
  1 RJ45 Ethernet cable
  3 Power adapters
  1 Quick Installation Guide

For support and warranty, please visit: https://www.tp-link.com/support

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Specifications are subject to change without notice. Google, Google Home, and Google Play are trademarks of Google LLC. All the brands and product names are trademarks or registered trademarks of their respective holders.

†Maximum wireless signal rates are the physical rates derived from IEEE Standard 802.11 specifications. Connection to over 200 devices is based on laboratory test data, which analyzed the connections of different devices on the 6 GHz, 5 GHz, and 2.4 GHz bands simultaneously. These devices simulated a typical home scenario by running simultaneous applications in the same room that included 4K video, 1080p video, 720p video, file downloading, web browsing, IP cameras, and other IoT devices. Actual wireless data throughput, wireless coverage, and connected devices are not guaranteed and will vary as a result of internet service provider factors, network conditions, client limitations, and environmental factors, including building materials, obstacles, volume and density of traffic, and client location.

‡Clients need to support 802.11k/v/r and may require additional setup. Performance may vary depending on the client device.

△Use of Wi-Fi 7 (802.11be), Wi-Fi 6 (802.11ax), Wi-Fi 6E (802.11ax), and other features including MLO, 320 MHz Bandwidth, 4K-QAM, Multi-RU, OFDMA, MU-MIMO, and BSS Color requires clients to also support the corresponding features. The 320 MHz bandwidth is only available on the 6 GHz band. Not all 320 MHz channels may be available in the 6 GHz band in some regions/countries due to regulatory restrictions.

§2.5 Gbps internet speeds require compatible service plans and equipment. All WAN/LAN ports will operate as either WAN or LAN ports. Only one port can serve as a WAN port at a time.

◊Use of WPA3 requires clients to also support the corresponding feature.

*HomeShield includes both basic and advanced features. Advanced features require a paid subscription. For details, visit tp-link.com/homeshield

**Wi-Fi generations represent the wireless standard IEEE 802.11 a/b/g/n/ac/ax/be.

☆Users may require an extra modem device that is compatible with their internet service provider to gain internet access.

Actual network speed may be limited by the rate of the product's Ethernet WAN or LAN port, the rate supported by the network cable, internet service provider factors, and other environmental conditions.

This Deco may not support all the mandatory features as ratified in the IEEE 802.11be specification.

Further software upgrades for feature availability may be required.

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