deco™ | The Ultimate 2.5 Gbps Connectivity

Wi-Fi 7

BE9300
Whole Home Mesh Wi-Fi 7 System

HomeShield

works with Google Home

Deco BE9300

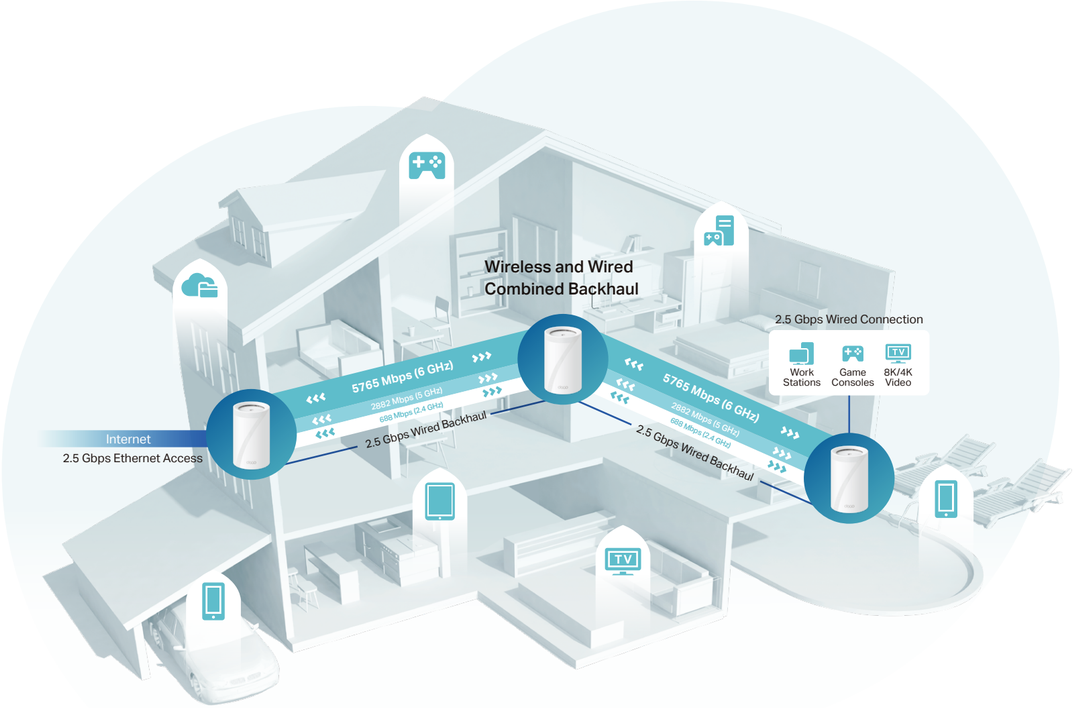
tp-link

Highlights

A True Whole Home Multi-Gigabit Mesh Wi-Fi

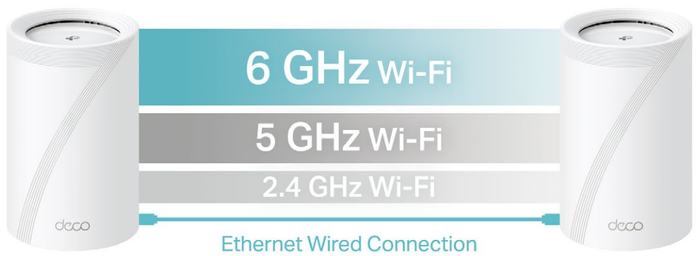
A True 2.5G Era

With 4× 2.5 Gbps WAN/LAN autosensing ports, Deco BE9300 matches 2.5G ISP network access. The other port can serve as a wired backhaul between Deco units or be used as a LAN port connection for devices[§]. This way, whether wired or wireless, Deco BE9300 delivers the ultimate 2.5 Gbps connectivity for a true 2.5G era[†].



Wireless and Wired Combined Backhaul

Deco BE9300 can connect a wireless and wired backhaul with each unit simultaneously. With MLO, it greatly improves overall throughput and reduces latency, delivering broader coverage with more stable and reliable connections.



- Greatly Reduced Lag for Smooth Wi-Fi
- Stable and Reliable Broader Coverage
- More Device Connections for Higher Capacity
- Multi-Link Operation (MLO)[Δ]

Highlights

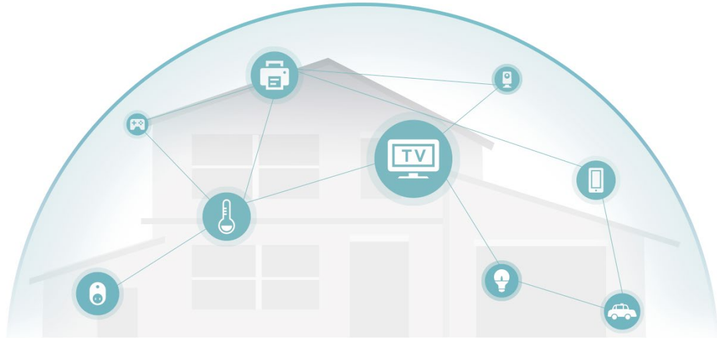
Seamless AI-Driven Mesh

Deco Mesh forms a unified network with a single network name. With built-in AI-Roaming technology, it creates the ideal Wi-Fi solution with its advanced algorithms and self-learning. Walk through your home and enjoy seamless streaming at the fastest possible speeds.‡

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

Enhanced Security – HomeShield

Manage online time and block inappropriate content to keep your family safe online with Parental Controls. Network Protection further keeps your home network safe by preventing potential threats and security issues.*



- Network Protection
- Parental Controls
- Private IoT Network
- Quality of Service (QoS)

Features

Wi-Fi Speed

Faster Wi-Fi speed with stronger whole home Wi-Fi generated from Wi-Fi 7

- Superior Wireless Speed – Combines wireless speeds up to 5765Mbps over 6 GHz, 2882Mbps over 5 GHz, and 688 Mbps over 2.4 GHz
- OFDMA – Provides 4× greater capacity for more simultaneous connections
- More Devices Connected – Connects over 200 Devices†

TP-Link HomeShield

TP-Link's premium security services keep your home network safe with cutting-edge features for network and IoT protection.§

- Network Protection – Detects cyber threats to keep your privacy and connected devices well protected
- Parental Controls – Manages online time and blocks inappropriate content to keep families healthy online
- Quality of Service (QoS) – Prioritizes your bandwidth needs to get a faster networking experience
- Comprehensive Reports– Gains full statistics and insights to help you know your home network better

Note: HomeShield includes the Free Basic Plan. Fees apply for the Pro Plan.
Visit tp-link.com/homeshield for more information.

Easy Setup by Deco App

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

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

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 – Protects your network devices from malicious attacks
- Blocklist – Add specific devices to blocklist to protect your network from unauthorized users

Two Modes in One

Choose the Wireless Router mode or Access Point mode for your network needs

- Wireless Router Mode – Creates an instant private wireless network
- Access Point Mode – Creates Wi-Fi access for any existing wired network

Work with All Deco Models

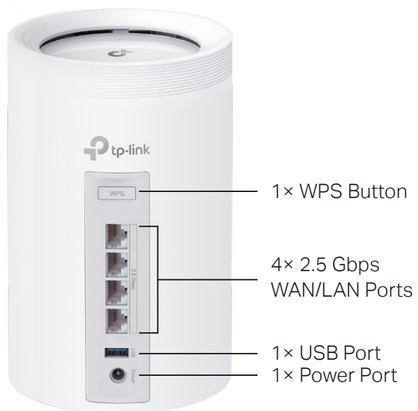
Form a Mesh network with your desired Deco models

- Compatible with All Deco Models – All Deco models can work together. Just expand Mesh Wi-Fi coverage anytime by adding more Decos
- Deco Mesh Technology – Eliminates dead zones and provides uninterrupted WiFi throughout your home

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): 27.5W max
- Dimensions (W × D × H): 4.23 × 4.23 × 6.93 in (107.5 × 107.5 × 176 mm)
- Power Adapter Input: 100-240 V ~ 50/60 Hz 0.8 A
- Power Adapter Output: 12 V ⎓ 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: 5765 Mbps (6 GHz) + 2882 Mbps (5 GHz) + 688 Mbps (2.4 GHz)[†]
- Transmit Power: CE: <20 dBm (2.4 GHz), <30 dBm (5 GHz), <23 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: CE, 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 BE9300(3-pack):
  3 Deco BE9300 units
  1 RJ45 Ethernet cable
  3 Power adapters
  1 Quick Installation Guide

Attention: This device may only be used indoors in all EU member states, EFTA countries, and Northern Ireland.

Attention: This device may only be used indoors in Great Britain.

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. Actual wireless data throughput, wireless coverage, and quantity of connected devices are not guaranteed and will vary as a result of network conditions, client limitations, and environmental factors, including building materials, obstacles, volume and density of traffic, and client location. The 160 MHz and 240 MHz bandwidth might not be available on the 5 GHz band, and the 320 MHz bandwidth might not be available on the 6 GHz band in some regions/countries due to regulatory limits on the spectrum, hence the theoretical speeds might vary.

[‡]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 the Free Basic Plan. Fees apply for the Pro Plan. Visit tp-link.com/homeshield for more information.

**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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