

deco™ 5G

Wi-Fi 7

BE9300

5G Wi-Fi 7 Mesh Router



5G
Up to 3.4 Gbps*



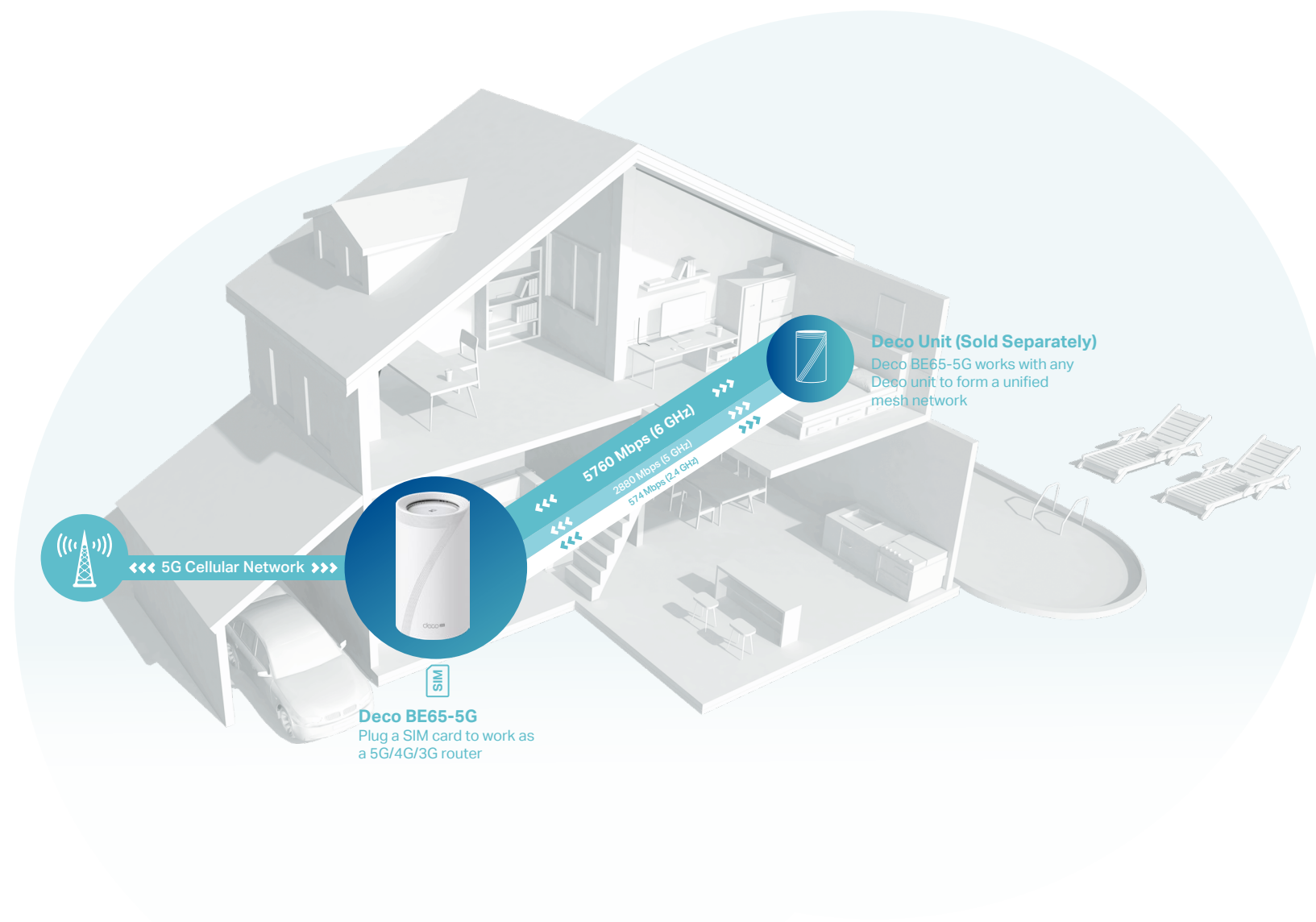
Deco BE65-5G



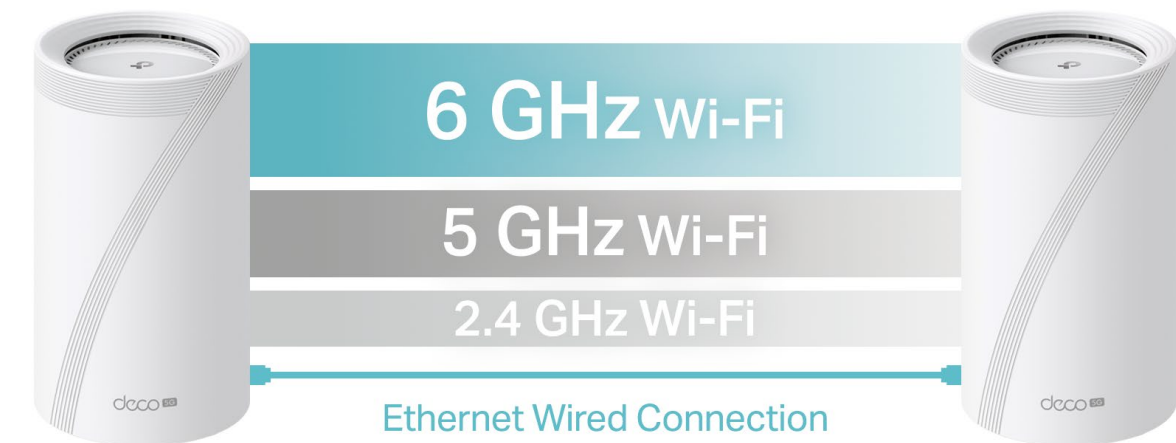
Highlights

5G BE9300 Tri-Band Whole Home Mesh Wi-Fi

Deco BE65-5G = TP-Link Mesh Technology + Wi-Fi 7 + 5G/4G/3G Router



Wireless and Wired Combined Backhaul



Greatly Reduced Lag for Smooth Wi-Fi

Stable and Reliable Broader Coverage

More Device Connections for Higher Capacity

Multi-Link Operation (MLO)[▲]

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

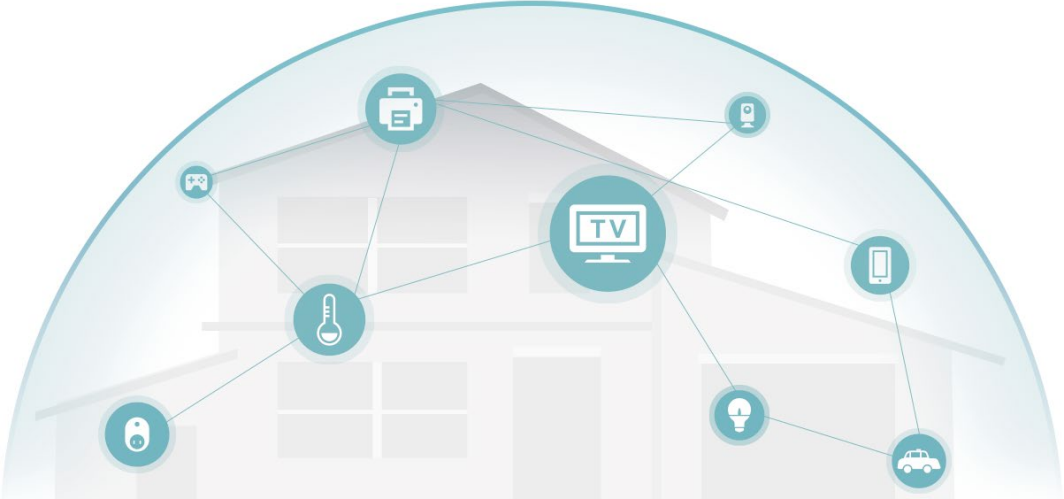


Customized Wi-Fi



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.*



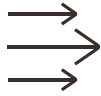
Network Protection



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 6

- Superior Wireless Speed – Combines wireless speeds up to 5760Mbps over 6 GHz, 2880Mbps over 5 GHz, and 574 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 <https://www.tp-link/homeshield> for more information.



Easy Setup by Deco App

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

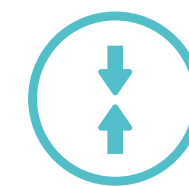
- Auto Connection Test – Tests the internet connection of your Decos and helps to identify a suitable location for them
- Remote Management – Manages your Deco network from a smartphone or tablet via the app, no matter where you find yourself
- Online Upgrade – Keeps informed of the latest firmware updates



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: 3 × 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 Port, 5G/4G/3G External SMA-F Antenna Ports, 1 × Nano SIM Card Slot
- Power Consumption (without power adapter): 35.5 W max
- Dimensions (W × D × H): 5.04×5.04×9.29 in (128×128×236 mm)
- Power Adapter Input: 100-240V~50/60Hz 1A
- Power Adapter Output: 12V = 3.3A



Wireless

- Wireless Standards: IEEE 802.11b/g/n/ax 2.4 GHz, IEEE 802.11a/n/ac/ax/be 5GHz, IEEE 802.11a/n/ac/ax/be 6 GHz
- 5G theoretical speeds: 3.4 Gbps download, 900 Mbps upload*
- Mesh protocol: 802.11k/v/r
- Frequency: 2.4 GHz, 5 GHz, 6 GHz
- Signal Rate: 5760 Mbps (6 GHz) + 2880 Mbps (5 GHz) + 574 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, 5G/4G/3G
- 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 BE65-5G(1-pack):
 - 1 Deco BE65-5G unit
 - 1 RJ45 Ethernet cable
 - 1 Power adapter
 - 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.

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†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), and features including Multi-Link Operation (MLO), 320 MHz Bandwidth, 4K-QAM, Multi-RUs, 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. Simultaneously, the 160 MHz and 240 MHz bandwidths or the 320 MHz bandwidth might not be available on the 5 GHz band or the 6 GHz band, respectively, in some regions/countries due to regulatory restrictions. Double channel width and speed refer to 320 MHz compared to 160 MHz for Wi-Fi 6 mesh.

¶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.

*Maximum 5G download and upload speeds depend on external factors such as the local 5G network coverage, data plan, real-time network capacity, client limitations, and environmental factors. Supported 5G frequency bands: n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/n75/n76/n77/n78. Actual supported frequency bands may vary slightly in different regions due to certification.

**Wi-Fi generations represent the wireless standard IEEE 802.11 a/b/g/n/ac/ax/be. All devices need to support 802.11 Wi-Fi protocols.

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

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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TP-Link 5G BE9300 Whole Home Mesh Wi-Fi 7 Gateway Deco BE65-5G