

# Deco BE65-PoE\_Datasheet

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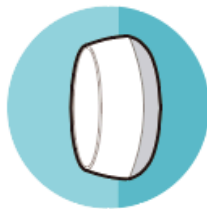
## **BE9300 Multi-Scenario PoE Mesh Wi-Fi**



Wi-Fi 7 



Ceiling Mount



Wall Mount

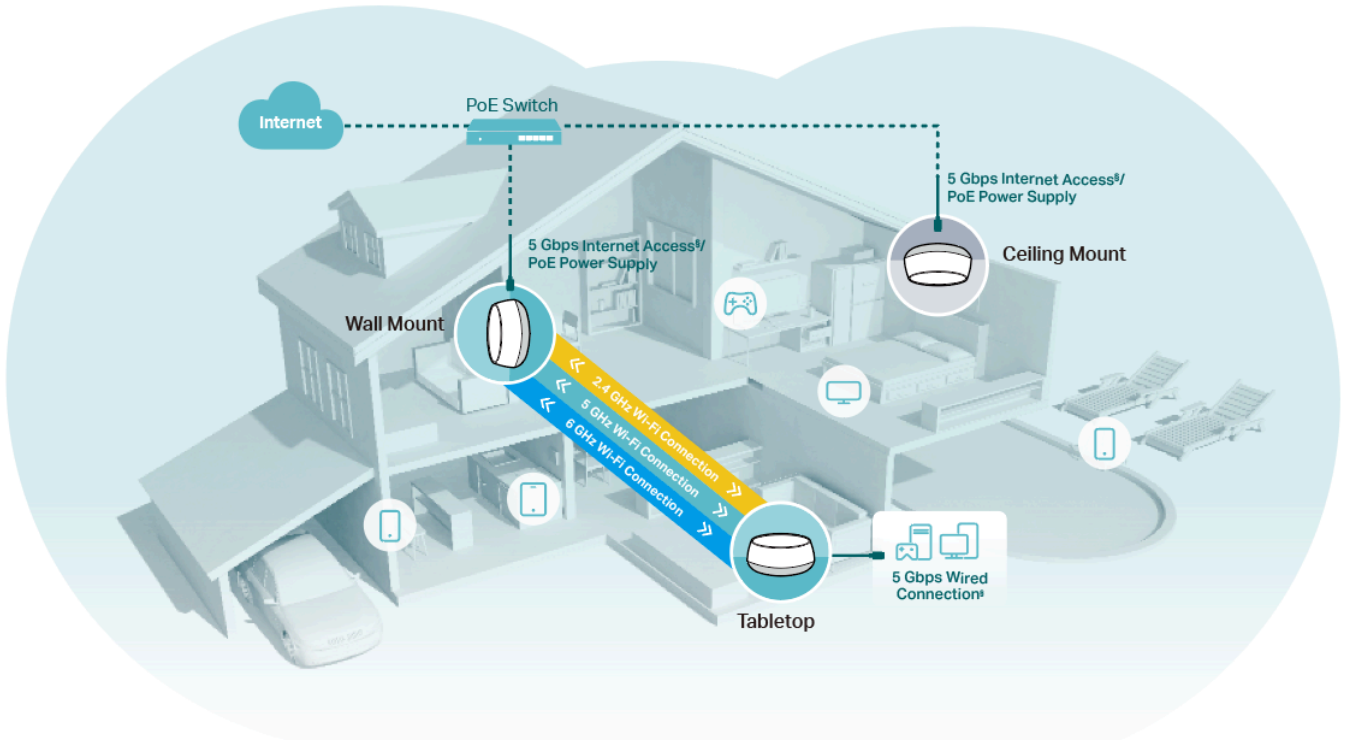


Tabletop



# Highlights

## Multi-Scenario PoE Mesh Wi-Fi Flexible in Every Way



### Flexible in Every Way

Deco BE65-PoE lets you install, power, and access the internet exactly as you need. Place it on a tabletop or install it on a ceiling or wall with our adaptive accessories.

	<p><b>Multiple Installation Options</b></p>		<p><b>PoE/DC Power Supply</b></p>
	<p><b>Wired and Wireless Backhaul</b></p>		<p><b>Supports Router/AP Mode</b></p>

### Seamless AI-Driven Mesh

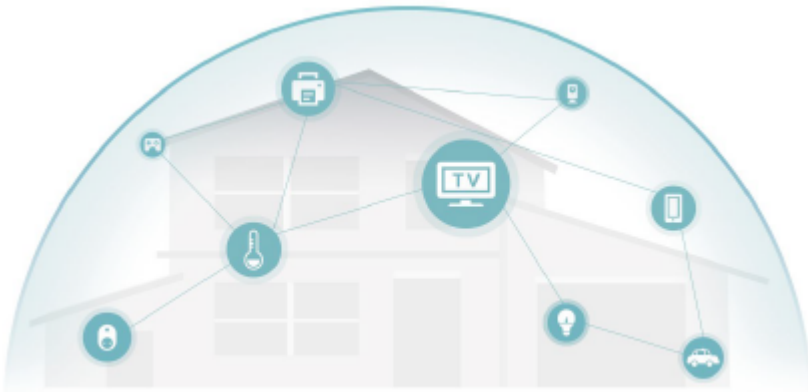
Deco Mesh forms a unified network with built-in AI-Roaming technology creating the ideal Wi-Fi solution for your home. Walk to any room and enjoy seamless streaming at the fastest possible speeds.‡



	<p><b>Seamless Roaming with One Wi-Fi Name</b></p>		<p><b>Self-Learning Capability</b></p>
	<p><b>Sophisticated Algorithms</b></p>		<p><b>Customized Wi-Fi</b></p>

## Enhanced Security – HomeShield

Manage online time and block inappropriate content to keep your family safe online with Parental Controls. Quality of Service and Network Protection further keep your home network smooth and secure.\*



	<p><b>Network Protection</b></p>		<p><b>Comprehensive Reports</b></p>
	<p><b>Parental Controls</b></p>		<p><b>Quality of Service (QoS)</b></p>

# 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
- More Devices Connected – Connects up to 200 Devices<sup>†</sup>

## TP-Link HomeShield

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

- Network Protection – Detects cyber threats to keep your privacy and connected devices well protected
  - Parental Controls – Manages online time and block 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](https://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 Wi-Fi Router mode or Access Point mode for your network needs

- Wi-Fi 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

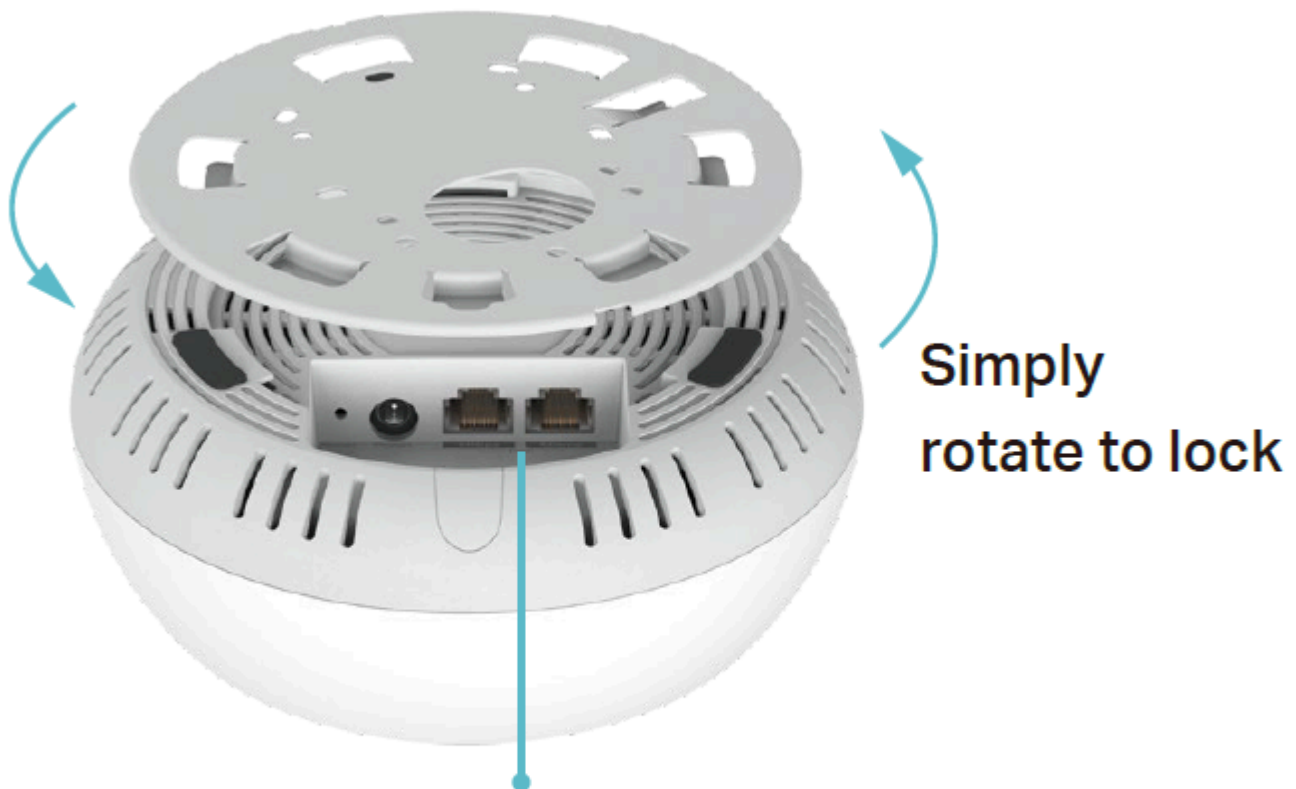
### Form a Mesh network with your desired Deco models

- 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: 2 × 5 Gbps PoE ports per unit (WAN/LAN auto-sensing)
- Button: 1 Reset button at the bottom
- Antenna: 6 × internal antennas
- Power Consumption (with power adapter): 21 W max
- Dimensions (W × D × H): 6.5 × 6.5 × 2.7 in (165 × 165 × 68.5 mm)
- Power Adapter Input: 100-240V ~ 50/60Hz 0.8A
- Power Adapter Output: 12 V 2 A
- PoE Power Supply: IEEE 802.3at PoE+



**2 × 5 Gbps WAN/LAN  
ports with PoE support**

## 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)<sup>△</sup>, 320 MHz Bandwidth<sup>△</sup>, 4K-QAM<sup>△</sup>, Multi-RU<sup>△</sup>, MU-MIMO<sup>△</sup>, OFDMA<sup>△</sup>, BSS Color<sup>△</sup>
- 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-PoE (3-pack):  
3 Deco BE65-PoE units  
1 RJ45 Ethernet cable  
3 Power adapters  
Ceiling/Wall Mounting Kits  
Quick Installation Guide

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†Maximum wireless signal rates are the physical rates derived from IEEE Standard 802.11 specifications. Connection to up to 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. Not all 320 MHz channels may be available in the 6 GHz band in some

regions/countries due to regulatory restrictions.

§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](https://tp-link.com/homeshield)

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

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 IEEE 802.11be specification.

Further software upgrades for feature availability may be required.

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