deco™

Wi-Fi 7
LATEST WI-FI TECHNOLOGY

BE4800
Whole Home Mesh Wi-Fi 7 System

HomeShield | Compatible with amazon alexa | works with Google Home

Deco WB14400

tp-link

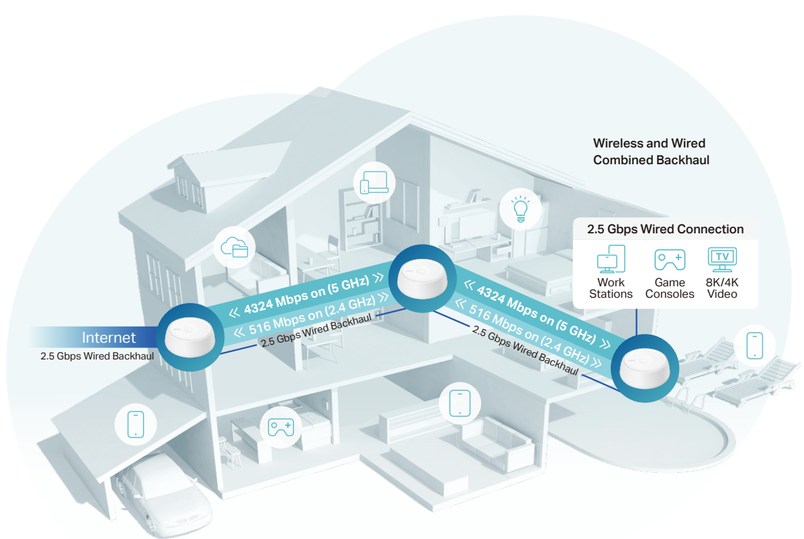
Highlights

A True Whole Home Multi-Gigabit Mesh Wi-Fi

Full Home Coverage, From the Bedroom to the Backyard

Deco WB14400 supports both wireless and wired backhaul connections simultaneously. With MLO technology, it significantly improves overall throughput, reduces latency, and delivers broader coverage with more stable and reliable connections.

CONNECT OVER 150 DEVICES†



Unrivaled Wi-Fi 7

Connect more devices at faster speeds with smoother connections and less interference.

Multi-Link Operation (MLO)△

240 MHz Bandwidth△

4K-QAM△

Multi-RU△

Highlights

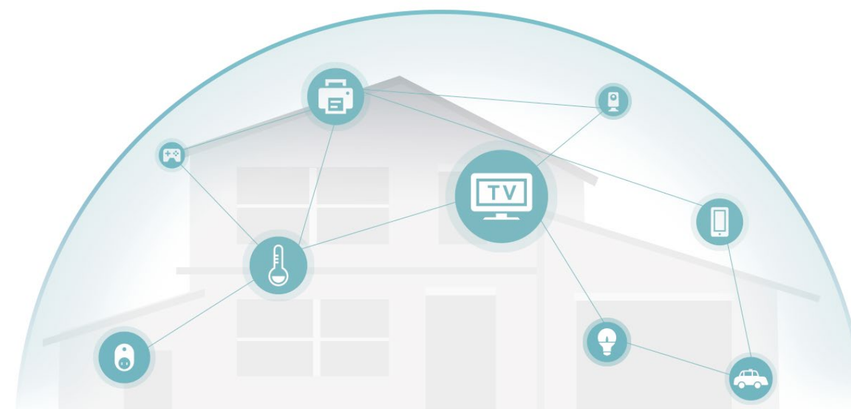
Seamless AI-Driven Mesh

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
- Quality of Service (QoS)
- Comprehensive Reports

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 4324 Mbps over 5 GHz, and 516 Mbps over 2.4 GHz
- OFDMA – Provides 4× greater capacity for more simultaneous connections
- More Devices Connected – Connects over 150 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

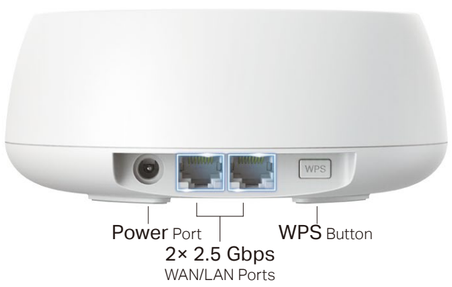
Form a Mesh network with your desired Deco models

- 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: 2× 2.5 Gbps Ports per unit (WAN/LAN auto-sensing)
- Button: 1 RESET button at the bottom, 1 WPS button on the back
- Power Consumption (without power adapter): 18.1 W max
- Dimensions (W × D × H): 5.91 × 5.91 × 2.44 in (150 × 150 × 62 mm)
- Power Adapter Input: 100-240V~50/60Hz 0.6A
- Power Adapter Output: 12V ⎓ 1.5A



Wireless

- Wireless Standards: IEEE 802.11b/g/n/ax/be 2.4 GHz,IEEE 802.11a/n/ac/ax/be 5GHz
- Mesh protocol: 802.11k/v/r
- Frequency: 2.4 GHz, 5 GHz
- Signal Rate: 4324 Mbps (5 GHz) + 516 Mbps (2.4 GHz)[†]
- Transmit Power: FCC: <30 dBm (2.4 GHz), <30 dBm (5 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
- IoT Network: IoT Network×1
- MLO Network: MLO Network×1
- Features: TP-Link HomeShield*, Multi-Link Operation (MLO)[△], 240 MHz Bandwidth[△], 4K-QAM[△], Multi-RU[△], 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 WB14400(3-pack):
  3 Deco WB14400 units
  1 RJ45 Ethernet cable
  3 Power adapters
  1 Quick Installation Guide

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. Other 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 150 devices is based on laboratory test data, which analyzed the connections of different devices on the 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 other features including MLO, 240 MHz Bandwidth, 4K-QAM, Multi-RU, OFDMA, and BSS Color requires clients to also support the corresponding features.

[§]2.5G 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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