

deco™ | AX7800 Tri-Band  
Mesh Wi-Fi 6 System



# AX7800 Tri-Band Mesh Wi-Fi 6 System

Superior Mesh Wi-Fi, Everywhere

Deco X95



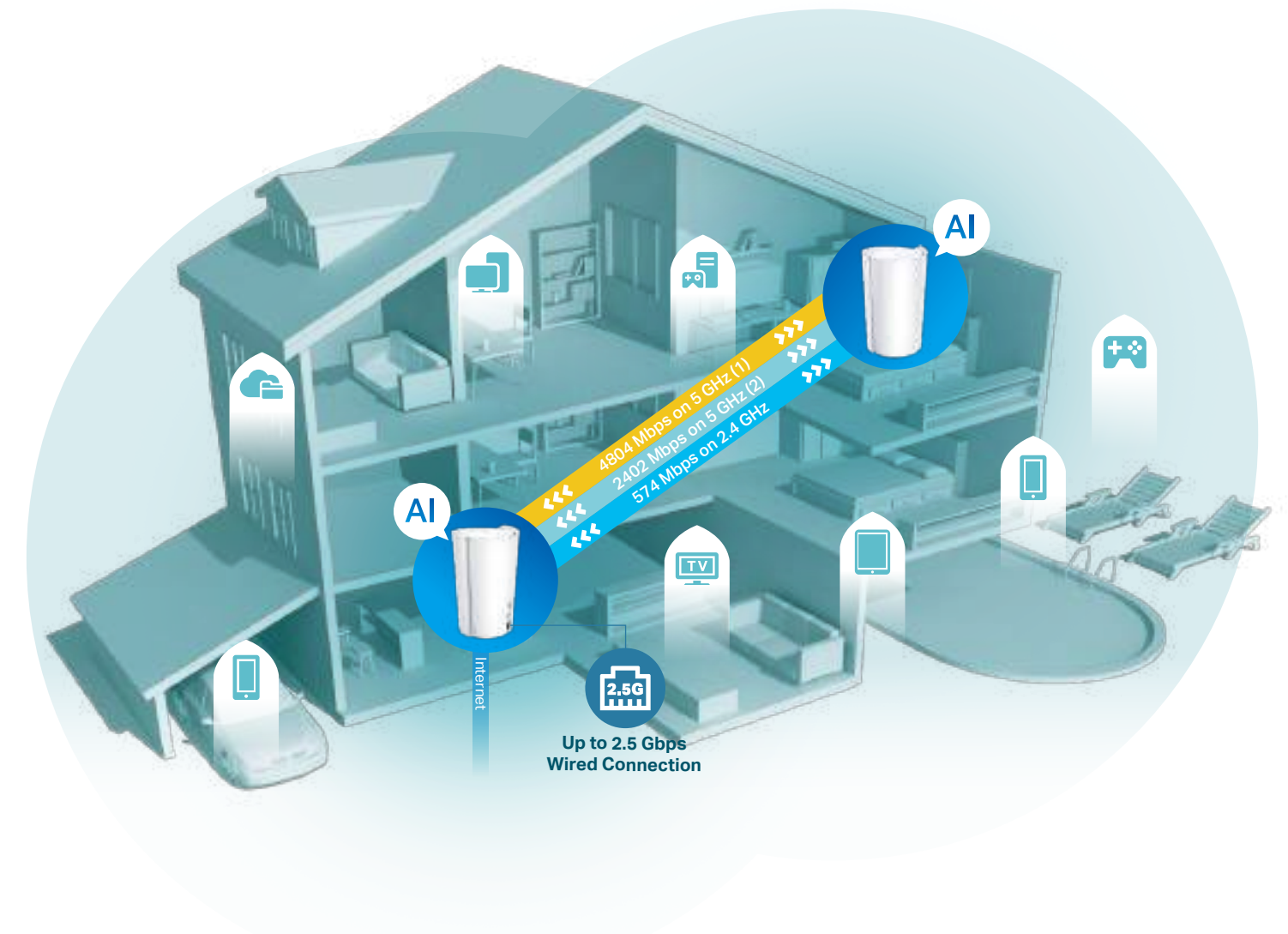
# Highlights

## AI-Driven Mesh, Customized Wi-Fi for You

Armed with AI-Driven Mesh technology, Deco X95 automatically learns and improves itself from experience. This provides the ideal mesh Wi-Fi unique to your home and network environment. Walk through your home and enjoy seamless streaming at the fastest possible speeds.

## Smart Antennas for Broader Coverage

Built-in high-gain antennas use intelligent algorithms to auto-detect other Deco units' locations and concentrate strong signals towards them, improving the overall network speed and boosting a broader Wi-Fi coverage.



**Deco X95 = Tri-Band Wi-Fi 6 + Seamless AI-Driven Mesh + Multi-Gig Internet Connection + HomeShield**



### Wi-Fi Dead-Zone Killer

Eliminate weak signal areas with clearer, stronger whole home Wi-Fi generated by Wi-Fi 6. No more searching around for a stable connection.<sup>^</sup>



### Seamless AI-Driven Mesh

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



### Multi-Gig Internet Connection

A 2.5 Gbps port and 2 Gigabit ports allow you to take full advantage of your broadband speed. Plug your PCs, smart TVs, or game consoles into the ports for blazing-fast wired connections.<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.\*



### Network Protection

Detects cyber threats to keep your privacy and connected devices well protected.



### Parental Controls

Manage online time and block inappropriate content to maintain healthy online habits.



### Quality of Service (QoS)

Prioritize your bandwidth needs to get a faster networking experience.



### Comprehensive Reports

Gain full statistics and insights to help you understand your home network better.

# 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 4804 Mbps on 5 GHz (1) , 2402 Mbps on 5 GHz (2) , and 574 Mbps on 2.4 GHz
- More Devices Connected – Connects up to 200 devices<sup>†</sup>

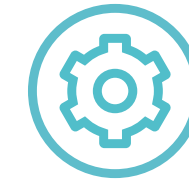


## TP-Link HomeShield

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 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

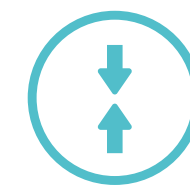
- Auto Connection Test – Tests the internet connection of your Decos and helps to identify a suitable location for them
- Remote Management – Manages your Deco network from a smartphone or tablet via the app, no matter where you find yourself
- Online Upgrade – Keeps informed of the latest firmware updates



## 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
- Deny List – Add specific devices to deny list 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

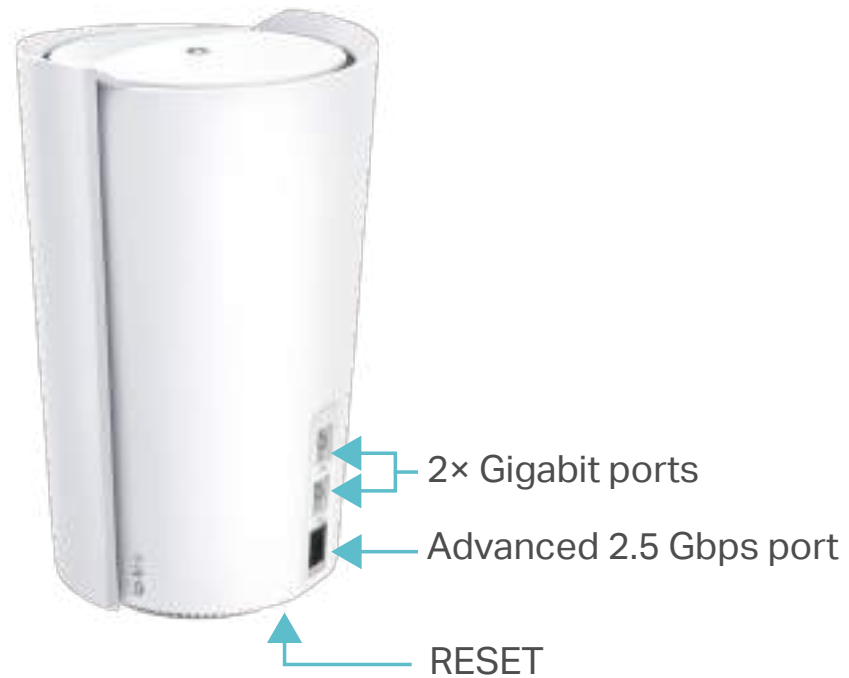
Form a Mesh network with your desired Deco models

- 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: 1 × 2.5 Gbps port + 2 × gigabit ports per Deco unit (WAN/LAN auto-sensing)
- Button: 1 RESET button on the underside
- Antenna: 4 high-gain antennas + 2 smart antennas
- Power Consumption (with power adapter): 31W max (US version); 27W max (EU version)
- Dimensions (W × D × H): 5.1 × 4.8 × 8.3in (130 × 123 × 210.5 mm)
- Power Adapter Input: 100-240V~50/60Hz 0.8A (US version); 100-240V~50/60Hz 0.8A (EU version)
- Power Adapter Output: 12V  $\equiv$  2.5A (US version); 12V  $\equiv$  2.5A (EU version)



Attention: this device may only be used indoors in all EU member states and EFTA countries.

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.

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<sup>†</sup>Maximum wireless signal rates are the physical rates derived from IEEE Standard 802.11 specifications. Actual wireless data throughput and 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.

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

<sup>§</sup>Use of Wi-Fi 6 and other features including OFDMA, MU-MIMO, 1024-QAM, and BSS Color require clients to also support the corresponding features.

<sup>¶</sup>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.

<sup>¶¶</sup>2.5 Gbps internet speeds require compatible service plans and equipment. 2.5 Gbps and 1 Gbps ports cannot be concurrently configured as WAN ports.

## Wireless

- Wireless Standards: IEEE 802.11a/n/ac/ax 5 GHz, IEEE 802.11b/g/n/ax 2.4 GHz
- Mesh protocol: 802.11k/v/r
- Frequency: 2.4 GHz and 5 GHz
- Signal Rate: 4804 Mbps on 5 GHz (1) + 2402 Mbps on 5 GHz (2) + 574 Mbps on 2.4 GHz<sup>†</sup>
- Transmit Power: FCC: <30 dBm(2.4 GHz), <30 dBm(5 GHz)  
CE: <20 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
- Features: TP-Link HomeShield, AI-Driven Mesh, BSS Color, OFDMA, 1024-QAM, MU-MIMO, Optional Ethernet Backhaul, Assisted Setup, Address Reservation, Port Forwarding, TP-Link DDNS, IPTV, IPv6, Firewall Rules, LED Control
- Management: Local Management; Remote Management; Multi-Managers

## Others

- Certification: CE, FCC, IC, 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 X95(1-pack):  
1 Deco X95 unit  
1 RJ45 Ethernet cable  
1 Power adapter  
Quick Installation Guide
- Package Contents for Deco X95(2-pack):  
2 Deco X95 units  
1 RJ45 Ethernet cable  
2 Power adapters  
Quick Installation Guide