



AX3000 Whole Home Mesh  
Wi-Fi 6 System



# AX3000 Whole Home Mesh Wi-Fi 6 System

Superior Mesh Wi-Fi, Everywhere

**4G+** Cat 6 Up to 300 Mbps\*\*

Deco X50-4G



Works as a **4G/3G** Router



Faster Wi-Fi Speed up to 3000 Mbps†



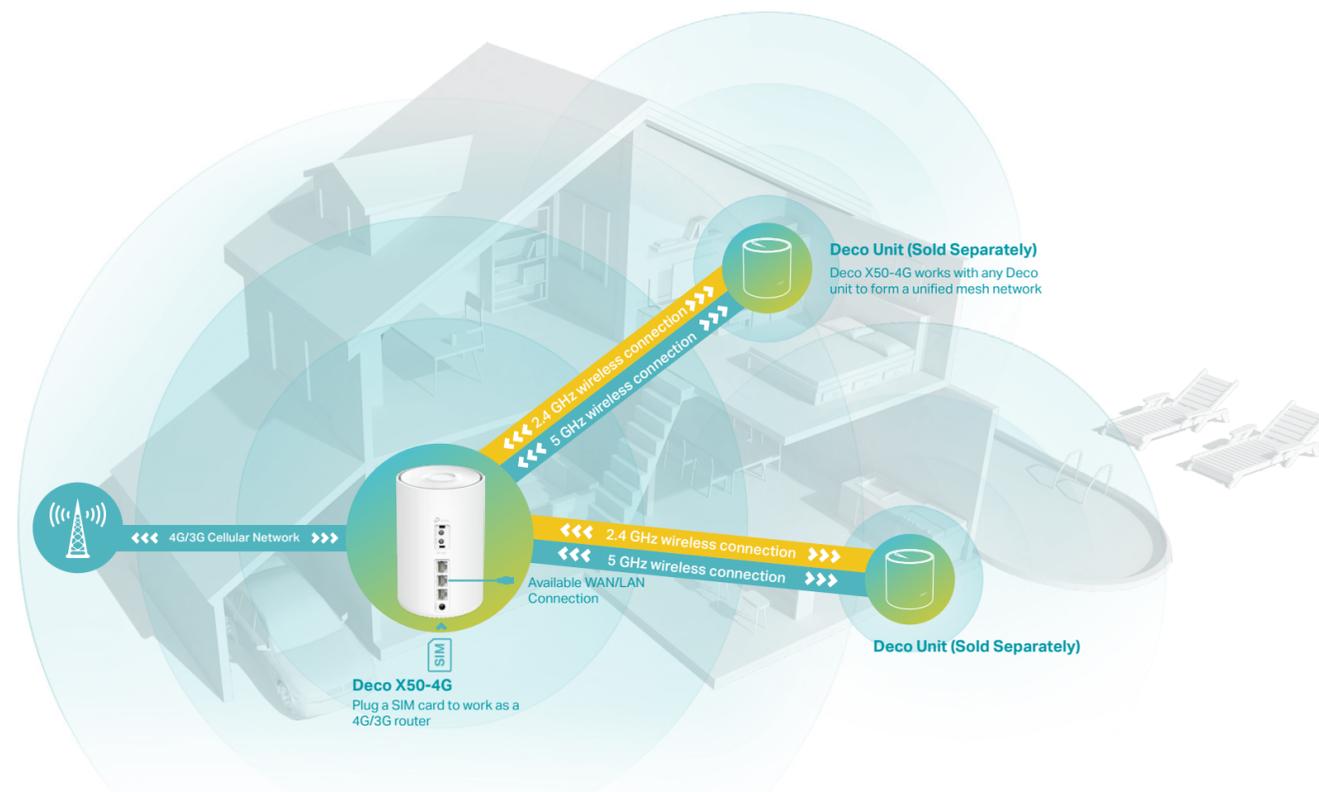
Connects over 150 Devices†



# Highlights

## Superior Mesh Wi-Fi , Everywhere

Deco 4G+ = TP-Link Mesh Technology + Wi-Fi 6 + HomeShield + 4G/3G Router



### 4G+ LTE

Ideal for cutting-edge 4G LTE Advanced network  
Compatible with 3G/4G network



#### Wi-Fi Dead-Zone Killer

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



#### Seamless Roaming with One Wi-Fi Name

Deco units work together to form a unified network with a single network name. Walk through your home and stay connected with the fastest possible speeds.<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

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



#### Parental Controls

Manage online time and block inappropriate content to keep families healthy online.



#### Quality of Service (QoS)

Prioritize your bandwidth needs to get a faster networking experience.



#### Comprehensive Reports

Gain full statistics and insights to help you know 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 2402 Mbps over 5 GHz, and 574 Mbps over 2.4 GHz
- OFDMA – Provides 4× greater capacity for more simultaneous connections
- More Devices – Connects over 150 Devices<sup>†</sup>
- Save Clients' Power – Target Wake Time helps mobile devices, especially IoT devices, consume less power during data transmission cycles to prolong battery life<sup>^</sup>
- 1.7 GHz Quad-Core CPU – Helps accelerate wired and wireless transmission simultaneously to keep your connections fast and uninterrupted.



## 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



## 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 <https://www.tp-link/homeshield> for more information.



## Three Modes in One

Choose the 3G/4G Router, Wireless Router or Access Point mode for your network needs

- 3G/4G Router Mode – Plug a SIM card and enjoy the fast and stable Wi-Fi
- Wi-Fi Router Mode – Creates an instant private wireless network
- Access Point Mode – Creates Wi-Fi access for any existing wired network



## 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



## Work with All Deco Models

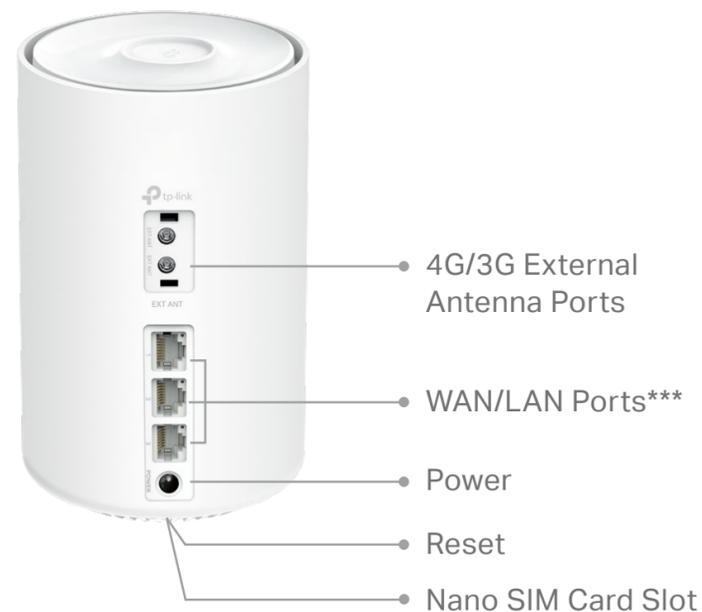
Form a Mesh network with your desired Deco models

- 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

- CPU: 1.7 GHz Quad-Core CPU
- Ethernet Port: 3 Gigabit ports (WAN/LAN auto-sensing)
- Button: 1 RESET button on the underside
- Antenna: 2 LTE antennas, 2 Wi-Fi antennas
- Power Consumption (with power adapter): 18.16 W max
- Dimensions (W × D × H): 4.13 × 4.13 × 6.57 in (105 × 105 × 167 mm)
- Power Adapter Input: 100-240 V~ 50-60 Hz 0.6 A
- Power Adapter Output: 12 V  $\equiv$  1.5 A



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.

Specifications are subject to change without notice. All the brands and product names are trademarks or registered trademarks of their respective holders.

<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>HomeShield includes the Free Basic Plan. Fees apply for the Pro Plan.

Visit <https://www.tp-link/homeshield> for more information.

<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. The 160 MHz bandwidth may be unavailable in the 5 GHz band in some regions/countries due to regulatory restrictions.

<sup>‡</sup>Use of WPA3 encryption requires clients to also support the corresponding feature.

<sup>\*\*</sup>Maximum 4G download speeds depend on external factors such as the local 4G network coverage, data plan, real-time network capacity, client limitations, and environmental factors.

<sup>\*\*\*</sup>All WAN/LAN ports will operate as either WAN or LAN ports. Only one port can serve as a WAN port at a time.

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## Wireless

- **4G: FDD-LTE:** B1/B3/B5/B7/B8/B20/B28 (2100/1800/850/2600/900/800/700 MHz)  
TDD-LTE: B38/B40/B41(2600/2300/2500 MHz)
- **3G: DC-HSPA+/HSPA/UMTS** B1/B5/B8 (2100/850/900 MHz)
- **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<sup>‡</sup>
- **Frequency:** 2.4 GHz and 5 GHz
- **Signal Rate:** 574 Mbps on 2.4 GHz, 2402 Mbps on 5 GHz<sup>†</sup>
- **Transmit Power:** CE: ≤20 dBm (2.4 GHz), ≤23 dBm (5 GHz)
- **Wireless Security:** WPA/WPA2-PSK/WPA3 encryptions

## Software

- **Working Mode:** 3G/4G, Router, Access Point
- **WAN Type:** Dynamic IP/Static IP/PPPoE/L2TP/PPTP
- **Protocols:** Supports IPv4 and IPv6
- **Guest Network:** 2.4 GHz Guest Network ×1; 5 GHz Guest Network ×1
- **Features:** Parental Controls, QoS (Quality of Service), Anti-virus, Address Reservation, Port Forwarding, TP-Link DDNS, IPTV, IPv6, LED Control, Smart Connect, Optional Ethernet backhaul, 1024-QAM<sup>¶</sup>, MU-MIMO<sup>¶</sup>, OFDMA<sup>¶</sup>, BSS Color<sup>¶</sup>

## 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 X50-4G (1-pack):**  
1 Deco X50-4G unit  
1 RJ45 Ethernet Cable  
1 Power Adapter  
2 SMB to SMA Adapters  
Quick Installation Guide
- **Package Contents for Deco X50-4G (2-pack):**  
1 Deco X50-4G unit + 1 Deco X50 unit  
1 RJ45 Ethernet Cable  
2 Power Adapters  
2 SMB to SMA Adapters  
Quick Installation Guide
- **Package Contents for Deco X50-4G (3-pack):**  
1 Deco X50-4G unit + 2 Deco X50 units  
1 RJ45 Ethernet Cable  
3 Power Adapters  
2 SMB to SMA Adapters  
Quick Installation Guide

[www.tp-link.com](http://www.tp-link.com)

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