



AX3000 Whole Home Mesh
Wi-Fi 6 System



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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 3.0 Gbps[†]



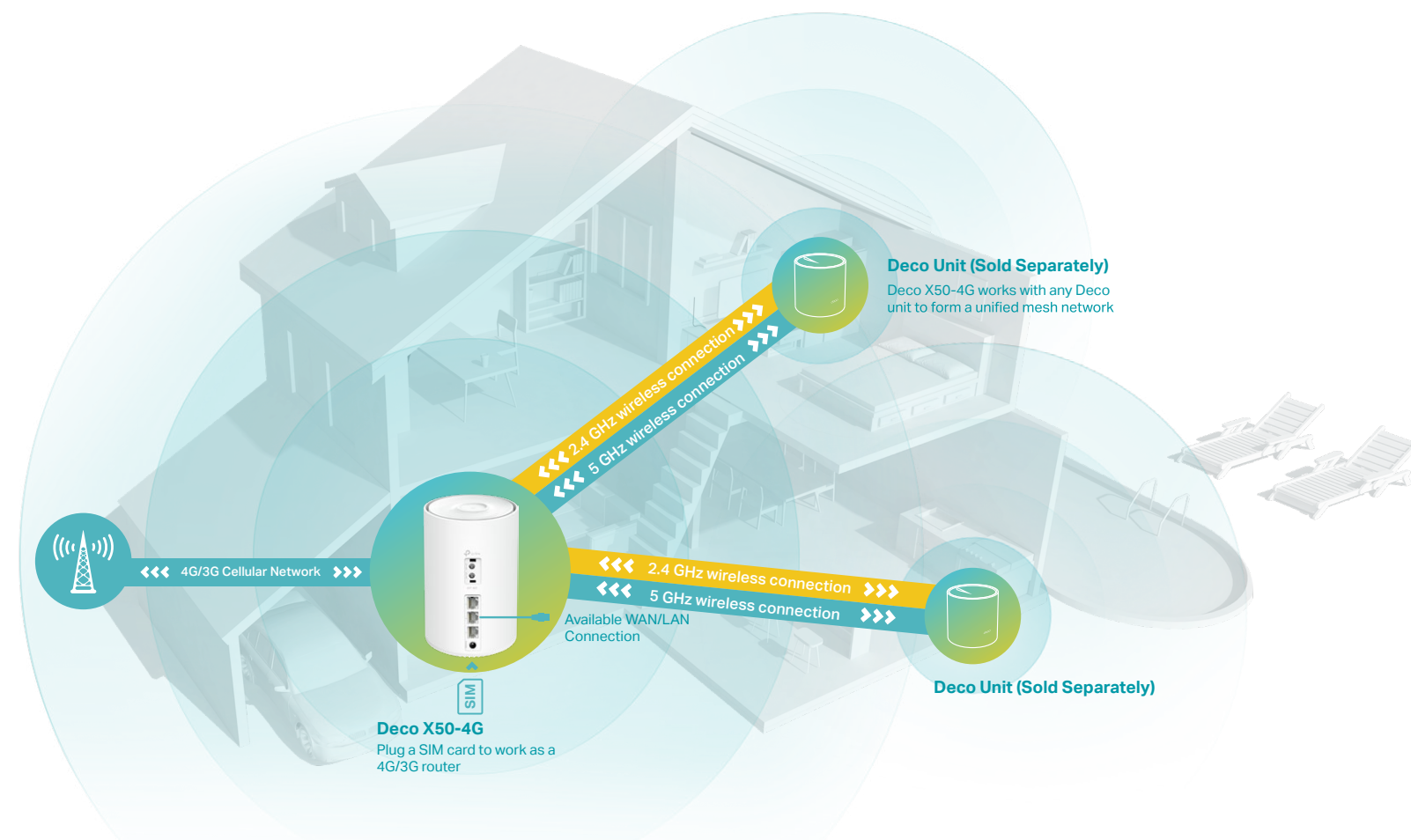
Connects over 150 Devices[†]



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.[▲]



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.[‡]



TP-Link HomeShield

TP-Link's premium security services keep your home network safe with cutting-edge features for network and IoT protection.[§]



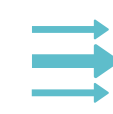
Network Protection

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[†]
- Save Clients' Power – Target Wake Time helps mobile devices, especially IoT devices, consume less power during data transmission cycles to prolong battery life[^]



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 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.



Easy Setup by Deco App

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

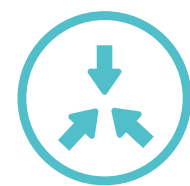
- Auto Connection Test – Tests the internet connection of your Decos and helps to identify a suitable location for them
- Remote Management – Manages your Deco network from a smartphone or tablet via the app, no matter where you find yourself
- Online Upgrade – Keeps informed of the latest firmware updates



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



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




Work with All Deco Models

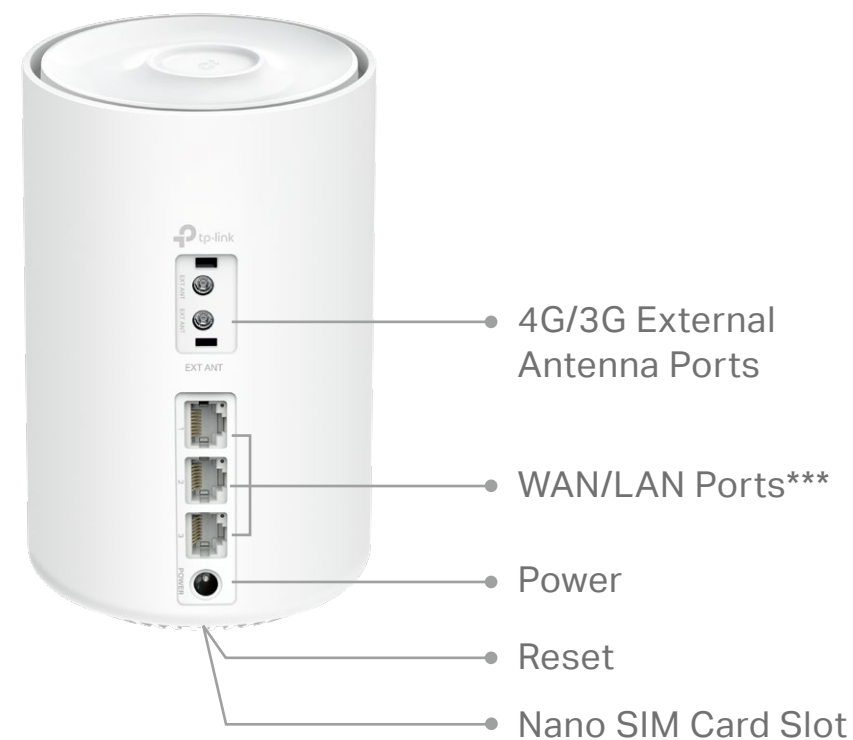
Form a Mesh network with your desired Deco models

- 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: 1.0 GHz Dual-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): 17 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  1.5 A



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†
- Frequency: 2.4 GHz and 5 GHz
- Signal Rate: 574 Mbps on 2.4 GHz, 2402 Mbps on 5 GHz†
- Transmit Power: CE: ≤20 dBm (2.4 GHz), ≤23 dBm (5 GHz)
- Wireless Security: WPA/WPA2-PSK/WPA3 encryptions

Software

- Working Mode: 3G/4G, Wi-Fi 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[^], MU-MIMO[^], OFDMA[^], BSS Color[^]

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

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. 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.

[†]Clients need to support 802.11k/v/r and may require additional setup. Performance may vary depending on the client device.

[§]HomeShield includes the Free Basic Plan. Fees apply for the Pro Plan. Visit <https://www.tp-link/homeshield> for more information.

[^]Use of Wi-Fi 6 and other features including OFDMA, MU-MIMO, 1024-QAM, HE160 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.

[^]Use of WPA3 encryption requires clients to also support the corresponding feature.

^{**}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.

^{***}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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