deco™ 5G | Whole Home Mesh Wi-Fi 6 Router

5G Up to 3.4 Gbps* | Wi-Fi 6 | Compatible with amazon alexa | HomeShield | works with Google Home

AX3000 Whole Home Mesh Wi-Fi 6 Router

Superior Mesh WiFi, Everywhere

Deco X50-5G

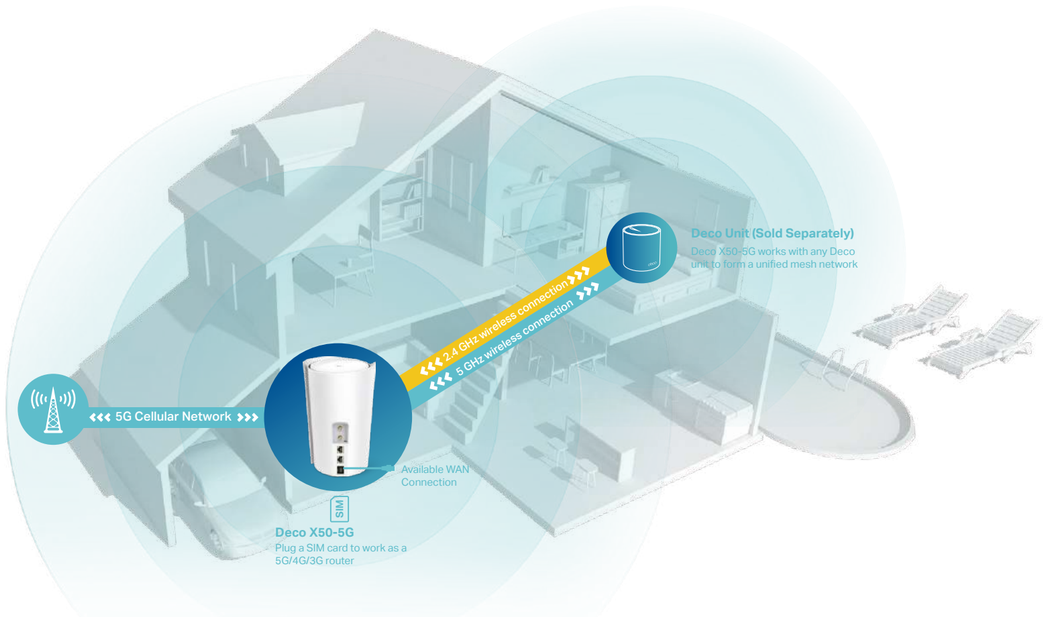
- **5G/4G/3G** Modem Router
- Dual Band Wi-Fi up to **3.0** Gbps†
- **2.5** Gigabit WAN/LAN Port



Highlights

Superior Mesh Wi-Fi, Everywhere

Deco X50-5G = Deco Mesh Technology + Wi-Fi 6 + 5G/4G/3G Router



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.△

5G **5G: All Speed, No Losses**
Brings ultra-fast connections into your home and unlocks the real AX3000 Wi-Fi 6 speeds. Take advantage of the incredible fast upload speeds — upload videos and live stream your life!

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.‡

HomeShield Security
Manage online time and block inappropriate contents to keep families healthy online with Parental Controls. Quality of Service (QoS) and Network Protection further keep your home network smooth and safe.§

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 574Mbps over 2.4 GHz
- OFDMA – Provides 4× greater capacity for more simultaneous connections
- More Devices – 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 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
- Blocklist – Add specific devices to blocklist to protect your network from unauthorized users

Four Modes in One

Choose the 4G/5G Router, Wireless Router, Access Point, or Bridge mode for your network needs

- 4G/5G Router Mode – Plug a SIM card and enjoy the fast and stable Wi-Fi
- Access Point Mode – Creates Wi-Fi access for any existing wired network
- Wi-Fi Router Mode – Functions as a router and creates an instant private wireless network
- Bridge Mode – Functions as a simple pass-through device and bypasses the gateway function of the router

Work with All Deco Models

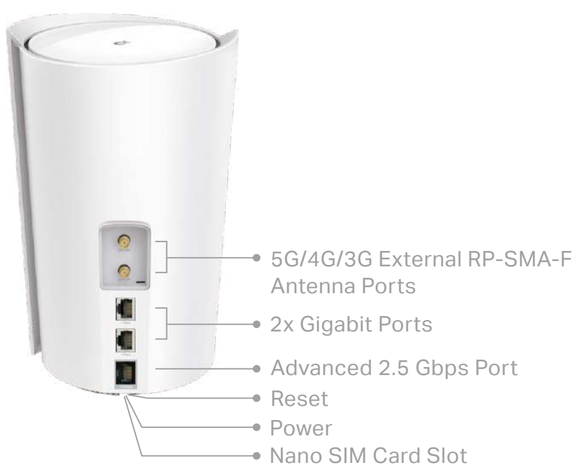
Form a Mesh network with your desired Deco models

- 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: 1× 2.5 Gigabit port + 2× 1 Gigabit ports (WAN/LAN auto-sensing)***
- Button: 1 RESET button on the underside
- Antenna: 6× LTE/5G internal antennas + 2× Wi-Fi internal antennas + 2× LTE/5G external antenna interface
- Power Consumption (without power adapter): 21 W max
- Dimensions (W × D × H): 8.3 × 5.1 × 4.8 in (210.5 × 130 × 123 mm)
- Power Adapter Input: 100-240 V~ 50-60 Hz 0.8 A
- Power Adapter Output: 12 V ⎓ 2 A



Wireless

- 5G: N1/N3/N5/N7/N8/N20/N28/N38/N40/N41/N75/N76/N77/N78
- 4G FDD-LTE: B1/B3/B5/B7/B8/B20/B28/B32
- 4G TDD-LTE: B38/B40/B41/B42/B43
- 3G: B1/B5/B8
- 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
- Wi-Fi theoretical speeds: 574 Mbps on 2.4 GHz + 2402 Mbps on 5 GHz†
- 5G theoretical speeds: 3.4 Gbps download, 900 Mbps upload*
- Transmit Power: ≤20 dBm (2.4 GHz), ≤23 dBm (5 GHz)
- Wireless Security: WPA/WPA2-PSK/WPA3 encryptions**

Software

- Working Mode: 5G/4G Router, Router, Access Point, Bridge
- 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^Δ, MU-MIMO^Δ, OFDMA^Δ, BSS Color^Δ

Others

- Certification: RoHS, CE, RCM
- 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 X50-5G(1-pack):
  - 1 Deco X50-5G unit
  - 1 RJ45 Ethernet Cable
  - 1 Power Adapter
  - 1 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.

^ΔUse 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.

*Maximum 5G download and upload speeds depend on external factors such as the local 5G network coverage, data plan, real-time network capacity, client limitations, and environmental factors. Supported 5G frequency bands: n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/n75/n76/n77/n78. Actual supported frequency bands may vary slightly in different regions due to certification.

**Use of WPA3 encryption requires clients to also support the corresponding feature.

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

§HomeShield includes the Free Basic Plan. Fees apply for the Pro Plan. Visit www.tp-link.com/homeshield for more information.

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