



Whole Home Mesh Wi-Fi 6 Router






reddot winner 2021

# AX6000 Whole Home Mesh Wi-Fi 6 System

Superior Mesh WiFi, Everywhere

Deco X80-5G

-  **5G/4G/3G** Modem Router
-  Dual Band W-Fi up to **6000 Mbps**
-  **2.5 Gigabit** WAN/LAN Port

Compatible with  
**amazon alexa**

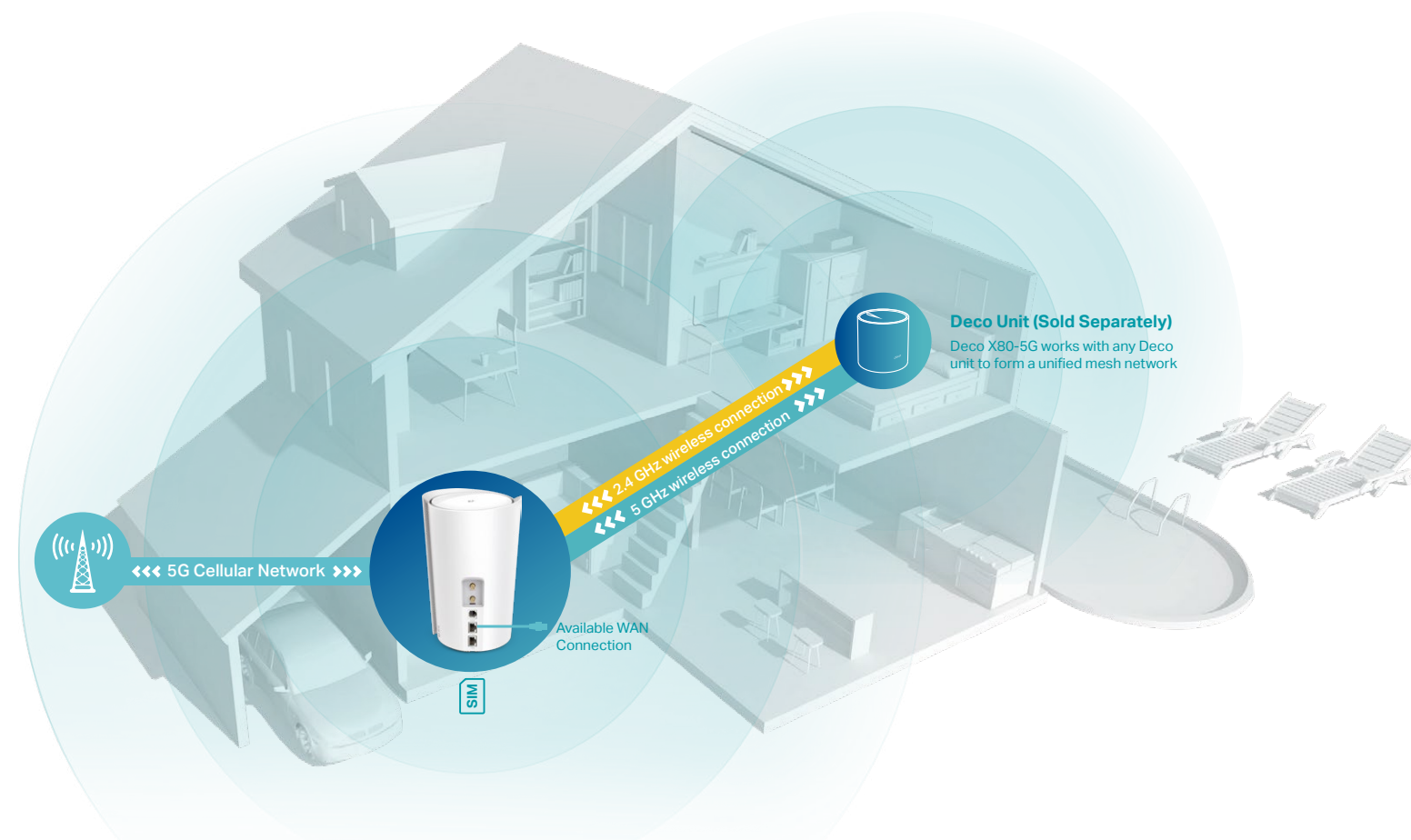
 **HomeShield**



# Highlights

## Superior Mesh Wi-Fi, Everywhere

Deco X80-5G = TP-Link Mesh Technology + Wi-Fi 6 + 5G/4G/3G Router



5G

### 5G: All Speed, No Losses

Brings ultra-fast connections into your home and unlocks the real AX6000 Wi-Fi 6 speeds. Take advantage of the incredible fast upload speeds—upload videos and live stream your life!



### 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>Δ</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>



### 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.<sup>§</sup>

# 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 over 5 GHz, and 1148 Mbps over 2.4 GHz
- OFDMA – Provides 4× greater capacity for more simultaneous connections
- More Devices – Connects over 200 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>
- 2.2 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
- Blacklist – Add specific devices to blacklist to protect your network from unauthorized users



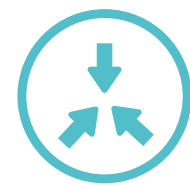
## TP-Link HomeShield

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

- 4G/5G Router Mode – Plug a SIM card and enjoy the fast and stable Wi-Fi
- Wireless 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: 2.2 GHz Quad-Core CPU
- Ethernet Port: 1×2.5 Gigabit port + 1×1 Gigabit port (WAN/LAN auto-sensing)<sup>\*\*\*\*</sup>
- Button: 1 RESET button on the underside
- Antenna: 8× LTE/5G internal antennas + 8× Wi-Fi internal antennas + 2× external antenna interface
- Power Consumption (without power adapter): 25.5 W max
- Dimensions (W × D × H): 8.3 × 5.1 × 4.8 in (210.5 × 130 × 123mm)
- Power Adapter Input: 100-240 V~ 50-60 Hz 1.0 A
- Power Adapter Output: 12 V  4 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>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>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/n77/n78/n79. Actual supported frequency bands may vary slightly in different regions due to certification.

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

<sup>\*\*\*</sup>VoLTE telephony is only enabled for certain carriers. It also requires the user to have VoLTE services enabled on the service plan for the SIM card that is used with this device.

<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.

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

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## Wireless

- 5G: N1/N3/N5/N7/N8/N20/N28/N38/N40/N41/N77/N78/N79
- 4G FDD-LTE: B1/B3/B5/B7/B8/B18/B19/B20/B26/B28
- 4G TDD-LTE: B34/B38/B39/B40/B41/B42/B43
- 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: 1148 Mbps on 2.4 GHz, 4804 Mbps on 5 GHz<sup>†</sup>
- Transmit Power: ≤20 dBm (2.4 GHz), ≤23 dBm (5 GHz)
- Wireless Security: WPA/WPA2-PSK/WPA3 encryptions<sup>\*\*</sup>

## Software

- Working Mode: 5G/4G Router, 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: VoLTE Telephony<sup>\*\*\*</sup>, 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: 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 X80-5G(1-pack):
  - 1 Deco X80-5G unit
  - 1 RJ45 Ethernet Cable
  - 1 RJ11 Telephony Cable
  - 1 Power Adapter
  - 1 Quick Installation Guide

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

TP-Link Whole Home Mesh Wi-Fi 6 System Deco X80-5G