deco™ | Whole Home Hybrid Mesh Wi-Fi System
Seamless Roaming | Parental Controls | Antivirus | Powerline

AC1300+AV600 Dual-Band Hybrid Mesh Wi-Fi System

Whole Home Coverage without Limits*

Deco P7

tp-link

* All Deco P7 should work in the same circuit. And maximum effective distance of data transmission via powerline is about 300m/980ft.
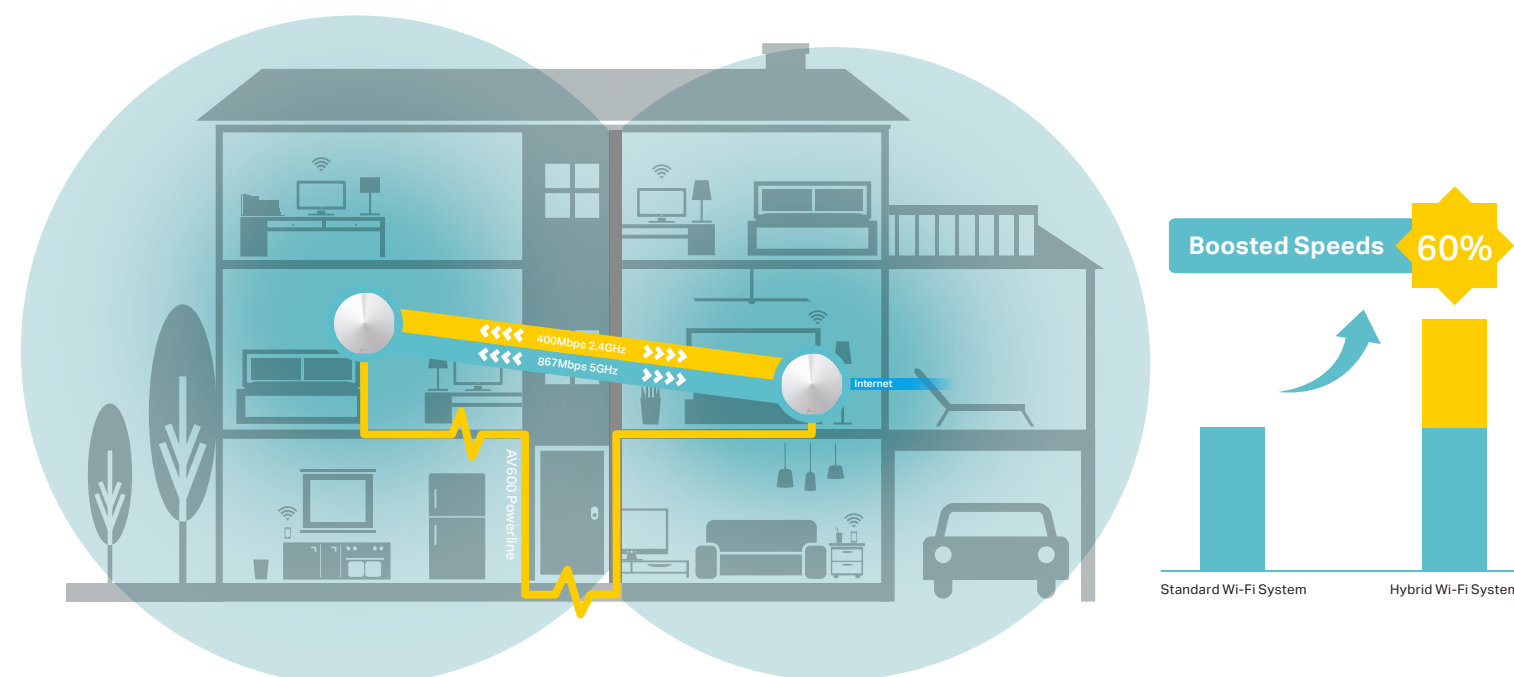
Highlights

Fast. Stable. Everywhere.

Deco is the simplest way to guarantee a strong Wi-Fi signal for an army of devices in every corner of your home. Powerline and wireless connections work together to link Deco units, providing even faster network speeds and truly seamless coverage. Setup couldn't be easier with the Deco app there to walk you through every step.

Works Through Walls

Powerline technology uses your home's electrical wiring to create stronger connections between Deco units, reducing the impact of walls and other obstacles on signal.

Boosted Speeds 60%

400Mbps 2.4GHz
867Mbps 5GHz

Standard Wi-Fi System   Hybrid Wi-Fi System

Wi-Fi Dead-Zone Killer

Eliminate weak signal areas with whole home Wi-Fi. No more searching around for a stable connection.

TP-Link HomeCare™ TREND MICRO

HomeCare ensures every device on your network remains protected, with a threat database updated live by Trend Micro™.
Powerful parental controls can limit online time and block inappropriate content according to unique profiles created for each family member.

TP-Link Mesh Technology

Decos work together to form one unified Wi-Fi network. Walk through your home and stay connected with the fastest possible speeds thanks to Deco's seamless coverage, powered by TP-Link Mesh Technology.

Wi-Fi + Powerline Hybrid Bandwidth

Deco P7 combines dual-band Wi-Fi and powerline connections to transmit data between Deco units. Network speed is boosted by up to 60% compared with those only using Wi-Fi signal.

Features

Robust Parental Controls

Manage content and control when each device can access the internet

· Profiles – Create a profile for each family member, and manage them individually

· Content Filter – Four levels are available for filtering content, each catering to a specific age group

· Time Controls – Set daily time limits for the total time spent online and block a person's internet access between certain times

· Pause the Internet – Pause a family member's internet and resume it whenever you like

3-Year Built-In Antivirus

Protect all connected devices in your home from viruses and malware

· Malicious Content Filter – Block malicious websites that are listed in Trend Micro's database to ensure you can surf the net in safety

· Intrusion Prevention System – Protect your network and applications against external attacks and eliminates vulnerabilities

· Infected Device Quarantine – Prevent infected devices from sending sensitive information or security threats to clients outside your network

Reporting

Review a monthly list of usage, blocked content and security threats

· Time spent online – The three profiles that spent the most time online

· Highest speed – The highest internet speed tested this month

· Connected devices – Total number of devices connected to Deco this month

· Malicious attacks blocked by Deco – Deco prevented these attacks from infecting your network

Assisted Setup

The Deco app helps you easily find the ideal spot to place each unit

· Auto Connection Test – Test the internet connection of your Decos and helps to identify a suitable location for them

· Remote Management – Manage your Deco network from a smartphone or tablet via the app, no matter where you find yourself

· Online Upgrade – Keep informed of the latest firmware updates

Quality of Service

Prioritize devices and applications for faster performance when needed

· For Applications– Prioritize the online activity that's most important to everyone on the network

· For Devices – Give high priority to the devices that need the fastest internet connection
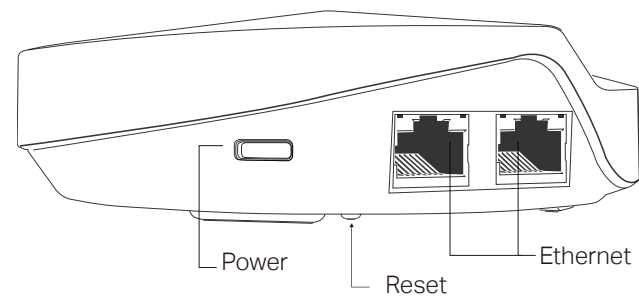
Security

Safeguard your home network with a firewall and wireless encryption

· Encryption for Secure Network – WPA/WPA2 encryption provide active protection against security threats

· Firewall – Protect your network devices from malicious attacks

Specifications

Hardware

- Ports: 2 LAN/WAN Gigabit Ethernet Ports, 1 USB Type-C Port
- Buttons: 1 Reset button on the underside
- LED: 1 LED
- Antenna Type: 4 internal antennas per Deco unit
- Wireless Onboarding: Bluetooth 4.2
- Flash: 32 MB
- SDRAM: 256 MB
- External Power Supply: 12 V/1.2 A
- Dimensions (Dia x H): 4.7 in. x 1.5 in. (120 mm x 38 mm)

Power — Reset — Ethernet

Wireless

- Wireless Standards: IEEE 802.11 ac/n/a 5 GHz, IEEE 802.11 b/g/n 2.4 GHz
- Frequency: 2.4 GHz and 5 GHz
- Signal Rate: 867 Mbps at 5 GHz, 400 Mbps at 2.4 GHz
- Transmit Power: FCC: <30 dBm, CE: <20 dBm (2.4 GHz), <23 dBm (5 GHz)
- Wireless Security: WPA-PSK/WPA2-PSK

Software

- WAN Type: Dynamic IP/Static IP/PPPoE
- DHCP: Server, Client
- Quality of Service: WMM
- Firewall Security: SPI Firewall
- Protocols: Supports IPv4 and IPv6
- Guest Network: 2.4 GHz guest network x 1, 5 GHz guest network x 1
- Features: Parental Controls, 3-Year Built-In Antivirus, QoS (Quality of Service), Reporting, Assisted Setup
- Management: Local Management, Remote Management

Powerline

- Powerline Rate: 600Mbps
- Standard: HomePlug AV
- Range: 300 meters / 1000 feet over electrical circuit

Others

- Smartphone/Tablet Requirements:

  iOS 9.0 or later

  Android 4.4 or later

  Bluetooth 4.0 or later

- Environment:

  Operating Temperature: 0°C~40°C (32°F~104°F)

  Storage Temperature: -40°C~70°C (-40°F~158°F)

  Operating Humidity: 10%~90% non-condensing

  Storage Humidity: 5%~90% non-condensing

- Package Contents for Deco P7 (3-pack):

  3 Deco units

  1 RJ45 Ethernet Cable

  3 Power Adapters with Powerline

- Package Contents for Deco P7 (2-pack):
  2 Deco units

  1 RJ45 Ethernet Cable

  2 Power Adapters with Powerline