ComX Computers
Product Specification Sheet

TP Deco X50-PoE(2-pack)

TP-Link Deco X50 AX3000 PoE Router Whole Home Mesh system - 2 pack

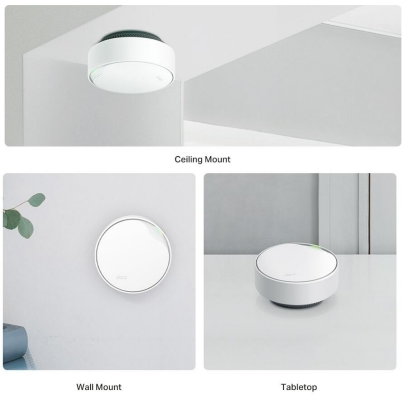
Product Overview

TP-Link Deco X50 AX3000 PoE Router Whole Home Mesh system - 2 Pack, 2402 Mbps @ 5GHz Data rate, 574 Mbps @ 2.4GHz Data rate, TP-Link Mesh technology, Ai-driven Mesh, 4x antennas (Internal), 1x 2.5 Gigabit Port, 1x Gigabit Port











Specifications

Overview Summary:

Upgrade your home network with the TP-Link Deco X50 PoE, a powerful AX3000 WiFi 6 mesh system designed to deliver seamless coverage throughout large South African homes. This intelligent 2-pack solution uses AI-driven technology to adapt to your environment, ensuring fast speeds of up to 3Gbps for gaming, streaming, and video conferencing without buffering.

Simplify your installation with versatile mounting options including ceiling, wall, or tabletop placement, backed by Power over Ethernet support for clean setups. Secure your connected devices with advanced HomeShield security features and enjoy easy management through the user-friendly Deco app. Shop now to experience reliable whole-home WiFi that adapts to your lifestyle.

Performance tier: High-End Mesh

Uses: Whole home coverage, gaming streaming, smart home connectivity, video conferencing, parental controls, network security, multi-gigabit wired connections, seamless roaming, wall mounting, ceiling installation

Overview:

The TP-Link Deco X50-PoE is a powerful AX3000 Whole Home Mesh WiFi 6 system designed to deliver seamless connectivity throughout your entire residence. This 2-pack solution leverages advanced WiFi 6 technology and intelligent AI-driven mesh capabilities to ensure every corner of your home enjoys fast, reliable internet speeds. Whether you are streaming high-definition video, gaming online, or working from home, this system provides the bandwidth and stability required for modern digital lifestyles while supporting Power over Ethernet for simplified installation.

Description:

The TP-Link Deco X50-PoE (Part Number: TP Deco X50-PoE) is a versatile mesh WiFi 6 router designed to eliminate dead zones and provide high-speed internet across large homes. This system combines the speed of AX3000 dual-band connectivity with the convenience of Power over Ethernet, allowing for flexible placement on walls, ceilings, or tabletops using included mounting accessories. With built-in HomeShield security, intuitive app management, and compatibility with voice assistants like Alexa and Google Assistant, it offers a complete network solution that grows with your needs.

Features:

Premium WiFi 6 Performance
Experience the future of wireless networking with WiFi 6 technology, which delivers up to three times faster speeds compared to previous generations. The system utilizes 1024-QAM and HE160 bandwidth doubling to achieve a total throughput that handles even the most demanding tasks like cloud gaming and 8K video streaming without buffering. By distributing devices across two bands intelligently, the network maintains high efficiency even when multiple screens are in use simultaneously.

- AX3000 Dual-Band WiFi delivering up to 2402 Mbps on the 5 GHz band
- 574 Mbps speed on the 2.4 GHz band for extended range compatibility
- 1024-QAM technology for boosted data transmission rates
- HE160 support doubling bandwidth availability

Flexible Installation and Power Options
The Deco X50-PoE offers unmatched versatility in how you deploy your network hardware. You can place the units on a tabletop, or utilize the adaptive accessories to mount them discreetly on walls or ceilings for optimal signal distribution. A standout feature is the support for Power over Ethernet (PoE), which allows you to transmit both data and power through a single Ethernet cable, significantly simplifying cabling requirements in complex setups.

- Ceiling Mount capability included
- Wall Mount support with dedicated kits
- Tabletop placement option
- PoE support for simplified network deployment

Multi-Gigabit Wired Connectivity
To ensure your wired devices perform at their peak, this router is equipped with a high-speed 2.5 Gigabit Ethernet port alongside a standard Gigabit port. This multi-gig architecture breaks through the traditional 1G bottleneck, allowing for blazing-fast connections to desktops, gaming consoles, or network-attached storage drives that demand maximum throughput.

- One 2.5 Gbps port for ultra-high-speed wired connections
- One Gigabit port for standard device connectivity
- Auto-sensing WAN/LAN support for flexible configuration

Smart Management and Security
Managing your home network has never been easier thanks to the user-friendly Deco app, which guides you through setup in just three steps. The system includes TP-Link HomeShield, providing robust parental controls, real-time IoT security, and comprehensive protection against online threats. You can easily create guest networks, prioritize specific devices for gaming or streaming, and even control your network using voice commands via Amazon Alexa or Google Assistant.

- AI-driven mesh technology learns your environment for optimal performance
- HomeShield provides real-time IoT security and malicious site blocking
- Voice control integration with Alexa and Google Assistant
- Seamless roaming ensures uninterrupted streaming as you move through the house

Compatibility and Expansion
This system is designed for universal compatibility, working seamlessly with any internet service provider and modem while supporting all previous WiFi generations. If your coverage needs grow over time, you can easily expand the mesh network by adding more Deco units, as all TP-Link Deco models are compatible with one another to form a unified whole-home solution.

- Backward compatible with all WiFi generations
- Works with any ISP and modem
- Expandable system allows adding more Decos anytime

What's in the box
The TP Deco X50-PoE 2-pack package includes everything needed to get your high-speed mesh network up and running immediately.

- 2 x Deco X50-PoE units
- 1 x RJ45 Ethernet cable
- 2 x Power adapters (DC 12V included)
- Ceiling/Wall Mounting Kits for flexible installation
- Quick Installation Guide

The TP-Link Deco X50-PoE is engineered to provide high capacity and efficiency in traffic-dense environments, ensuring that everyone enjoys a faster network regardless of how many devices are connected. With internal antennas forming a signal-boosting array and support for OFDMA and MU-MIMO, the system delivers reliable coverage for homes with four or more bedrooms.

Specifications:

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Specifications	
Product Code	TP Deco X50-PoE(2-pack)
WIRELESS	
Standards	Wi-Fi 6
	IEEE 802.11ax/ac/n/a 5 GHz
	IEEE 802.11ax/n/b/g 2.4 GHz
WiFi Speeds	AX3000
	5 GHz: 2402 Mbps (802.11ax, HE160)
	2.4 GHz: 574 Mbps (802.11ax)
WiFi Range	4-6+ Bedroom Houses (3-pack)
	TP-Link Mesh Technology
	Optional Ethernet backhaul work together to link Deco units to provide seamless coverage
	AI-Driven Mesh
	Intelligently learns the network environment to provide ideal Wi-Fi unique to your home
	4 x Antennas (Internal)
	Multiple antennas form a signal-boosting array to cover more directions and large areas
WiFi Capacity	High
	Dual-Band
	Distribute devices to different bands for optimal performance
	2 x 2 MU-MIMO
	Simultaneously communicates with multiple MU-MIMO clients
	OFDMA
	Simultaneously communicates with multiple WiFi 6 clients
	4 Streams
	More than enough bandwidth for connected devices
Working Modes	Router Mode
	Access Point Mode
HARDWARE FEATURES	
Power Supply	802.3at PoE
	12V DC
	(EU Version: 12V/1.2A DC. US Version: 12V/1.5A DC).
	Note: DC adapter is included in the package
HARDWARE	
Button	Reset Button
Ethernet Ports	1 x 2.5 Gbps port + 1 x Gigabit port
	*Per Deco Unit
	Supports WAN/LAN auto-sensing

SECURITY	
WiFi Encryption	WPA-Personal
	WPA2-Personal
	WPA3-Personal
Network Security	SPI Firewall
	Access Control
	HomeShield Security
	Real-Time IoT Protection
	Malicious Site Blocker
	Intrusion Prevention System
	DDoS Attack Prevention
	Home Network Scanner
Guest Network	1 x 5 GHz Guest Network
	1 x 2.4 GHz Guest Network
SOFTWARE	
Protocols	IPv4
	IPv6
Service Kits	HomeShield
Parental Controls	HomeShield Parental Controls
	Custom Profiles
	Professional Content Filter Library
	Family Time
	Bedtime
	Off Time
	Time Rewards
	Family Online Time Ranking
	Pause the Internet
	Weekly and Monthly Reports
WAN Types	Dynamic IP
	Static IP
	PPPoE
	PPTP
	L2TP
Quality of Service	HomeShield QoS
	QoS by Device

Cloud Service	OTA Firmware Upgrade
	TP-Link ID
	DDNS
NAT Forwarding	Port Forwarding
	UPnP
IPTV	IGMP Proxy
	IGMP Snooping
	Bridge
	Tag VLAN
DHCP	Address Reservation
	DHCP Client List
	Server
DDNS	TP-Link
Management	Deco App
TEST DATA	
WiFi Transmission Power	CE:
	FCC:
PHYSICAL	
Dimensions (W x D x H)	6.1 x 6.1 x 2.7 in
	(154 x 154 x 68.6 mm)

Package Contents	Deco X50-PoE (1-pack)
	1 x Deco X50-PoE unit
	1 x RJ45 Ethernet cable
	1 x Power adapter
	Ceiling/Wall Mounting Kits
	Quick Installation Guide
	Deco X50-PoE (2-pack)
	2 x Deco X50-PoE units
	1 x RJ45 Ethernet cable
	2 x Power adapters
	Ceiling/Wall Mounting Kits
	Quick Installation Guide
	Deco X50-PoE (3-pack)
	3 x Deco X50-PoE units
	1 x RJ45 Ethernet cable
	3 x Power adapters
	Ceiling/Wall Mounting Kits
	Quick Installation Guide
OTHERS	
System Requirements	Android 5.0 or later
	iOS 9.0 or later
	*Note: The minimum system requirements will be updated alongside updates to the app, subject to official website information.
Certifications	CE, FCC, RoHS
Environment	Operating Temperature: 0degreesC~40degreesC (32 degreesF~104 degreesF)
	Storage Temperature: -40degreesC~60degreesC (-40 degreesF~140 degreesF)
	Operating Humidity: 10%~90% RH
	Storage Humidity: 5%~90% RH

FAQ

Can the Deco X50-PoE be mounted on a ceiling or wall?
Yes, the system supports multiple installation options including tabletop placement, ceiling mounts, and wall mounting using the included adaptive accessories.

What is the data transfer speed of this mesh WiFi 6 system?
The AX3000 Dual-Band router delivers up to 2402 Mbps on the 5 GHz band and 574 Mbps on the 2.4 GHz band, utilizing 1024-QAM technology for faster speeds.

How does Power over Ethernet work with this device?
The Deco X50-PoE uses a single Ethernet cable to transmit both data and power via 802.3at PoE support, though it also

includes a DC power adapter for flexible installation where PoE is not available.

Can I expand the network coverage later by adding more units?
Yes, all TP-Link Deco units work together to form a seamless mesh network, so you can simply add another Deco X50-PoE or any other Deco model to extend your WiFi range.

Is this system compatible with my current internet service provider and older devices?
The router is backward compatible with all WiFi generations and works with any ISP or modem, ensuring seamless connectivity for both new and legacy devices.

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/TP-Deco-X50-PoE-2-pack-TP-Link-Deco-X50-AX3000-PoE-Router-Whole-Home-Mesh-system-p-342229.php

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