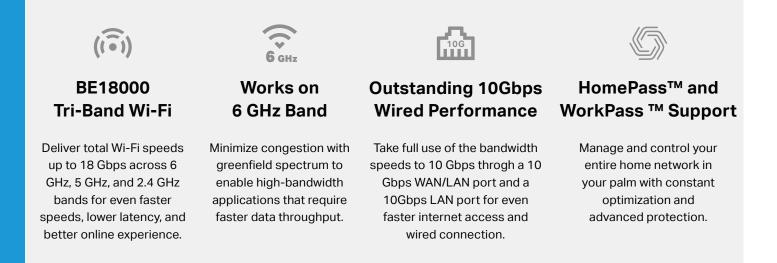# TP-LINK

AMT
advanced media technologies

BE18000 Whole Home Mesh Wi-Fi 7 AP

MODEL: Hexagon PB70

Overview

Hexagon PB70 is a high-performance Wi-Fi 7 Tri-band mesh AP with a 10 Gbps WAN/LAN port and a 10 Gbps LAN port. Deliver even more faster Wi-Fi speeds with less interference and congestion while being backwards compatible with 802.11a/b/g/n/ac/ax Wi-Fi devices. Perfect for Multi-Gig Internet service and a fully connected home.

BE18000 Tri-Band Wi-Fi

Deliver total Wi-Fi speeds up to 18 Gbps across 6 GHz, 5 GHz, and 2.4 GHz bands for even faster speeds, lower latency, and better online experience.

Works on 6 GHz Band

Minimize congestion with greenfield spectrum to enable high-bandwidth applications that require faster data throughput.

Outstanding 10Gbps Wired Performance

Take full use of the bandwidth speeds to 10 Gbps throgh a 10 Gbps WAN/LAN port and a 10Gbps LAN port for even faster internet access and wired connection.

HomePass™ and WorkPass ™ Support

Manage and control your entire home network in your palm with constant optimization and advanced protection.

Features

Upgrade Your Wi-Fi to 7

Wi-Fi 7 utilizes the capabilities of 6 GHz to enable high-bandwidth applications that require faster data throughput such as high-definition video streaming and virtual reality, as well as lower latency connectivity for online gaming applications.
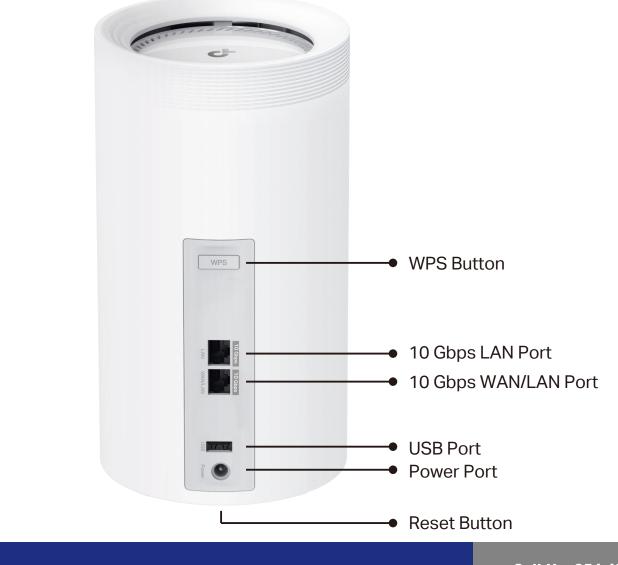
- More spectrum, lower latency
- Wider channels, more throughput
- Congestion-free, less interference
- Supports all WiFi generations and devices

Seamless Roaming

Hexagon PB70 can work together with other OpenSync mesh devices to form mesh network. Your phone or tablet automatically connects to the fastest mesh device as you move through your home, creating a truly seamless WiFi experience.

Hardware Description

WPS Button

10 Gbps LAN Port

10 Gbps WAN/LAN Port

USB Port

Power Port

Reset Button

Specifications

Hardware

- **Interface**

  1× 10 Gbps RJ45 WAN/LAN Port,
  1× 10 Gbps RJ45 LAN Port

- **Button**

  1× RESET button at the bottom
  1× WPS button on the back

- **Dimensions (W * D * H)**

  5.04 × 5.04 × 9.29 in (128 × 128 × 236 mm)

- **Power Adapter Input**

  100-240V/50-60Hz

- **Power Adapter Output**

  12VDC/3.3A

- **CPU**

  Quad A53 @ 1.5GHz

- **Antenna**

  Internal antennas

- **Cooling Method**

  Active

Wireless

- **Wireless Standards**

  IEEE 802.11be/ax 6 GHz
  IEEE 802.11be/ax/ac/n/a 5 GHz
  IEEE 802.11be/ax/n/g/b 2.4 GHz

- **Mesh Protocol**

  802.11k/v/r

- **Frequency**

  2.4GHz, 5GHz, and 6GHz

- **Signal Rate**

  6 GHz: 11520 Mbps (802.11be, 4×4)
  5 GHz: 5760 Mbps (802.11be, 4×4)
  2.4 GHz: 688 Mbps (802.11be, 2×2)

- **Transmit Power**

  FCC: <30 dBm(6 GHz), <30 dBm(5 GHz), <30 dBm(2.4 GHz)
  CE: <23 dBm(6 GHz), <30 dBm(5 GHz), <20 dBm(2.4 GHz)

- **Wireless Security**

  WPA2/WPA3

Software

- **Framework**

  OpenSync v6.2

- **Plume HomePass, Plume WorkPass**

- **Working Mode**

  Router Mode, Bridge Mode

- **WAN Type**

  Dynamic IP

- **Protocols**

  Supports IPv4 and IPv6

- **Features**

  320 MHz Bandwidth, 4K-QAM, Multi-RU, MU-MIMO, OFDMA, BSS
  Color, Beamforming, Band Steering, Ethernet backhaul, WiFi
  EasyConnect, QoE, Guest Network, Parental Control, QoS(Quality
  of Service), Cloud Firmware Upgrade, Remote rebooting, DHCP
  reservation, UPnP IGD, DNS server, port forwarding

- **Management**

  Plume HomePass APP, Plume WorkPass APP
  OpenSync Cloud Portal

- **DPI features**

  Control, Guard

- **IGMP**

  IGMP snooping, IGMP proxy

- **3rd Party Features**

  Ookla speedtest, SamKnows speedtest, Gatekeeper, Walleye

- **Firewall Security**

  SIP-ALG, Firewall management

Others

- **Certification**

  FCC, CE

- **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% non-condensing
  Storage Humidity: 5%~90% non-condensing

- **Package Contents**

  1× Whole Home Mesh Wi-Fi 7 AP Hexagon PB70
  1× RJ45 Ethernet cable
  1× Power adapter
  1× Quick Installation Guide