

AX3000 Outdoor/Indoor Mesh Wi-Fi 6 AP

MODEL: HX510-Outdoor



Overview

AX3000 Dual-Band Wi-Fi 6 Mesh

Armed with Wi-Fi 6 technology, HX510-Outdoor is designed to deliver a huge boost in coverage, speed, and total capacity. Get on the latest mesh Wi-Fi to enjoy the future network that loads faster and connects more.

Ideal for Fast Outdoor Wi-Fi

HX510-Outdoor features a weatherproof enclosure and solid operating temperature, enabling strong Wi-Fi signals outside. Flexible installation and power supply make it even easier for outdoor use.



IP65

IP65 Weatherproof Enclosure

Rated as IP65 during Ingress Protection testing, a resilient weatherproof enclosure protects HX510-Outdoor against the harsh outdoor condition, such as dust ingress, shock, vibration, moisture and so on.



Supports PoE/AC Power Supply

HX510-Outdoor supports PoE (Power over Ethernet) as well as AC power supply, allowing it to operate in complex outdoor environments. Two gigabit ports with PoE will help you to get rid of extra cables and power adapters.



Seamless Roaming, From Inside to Outside

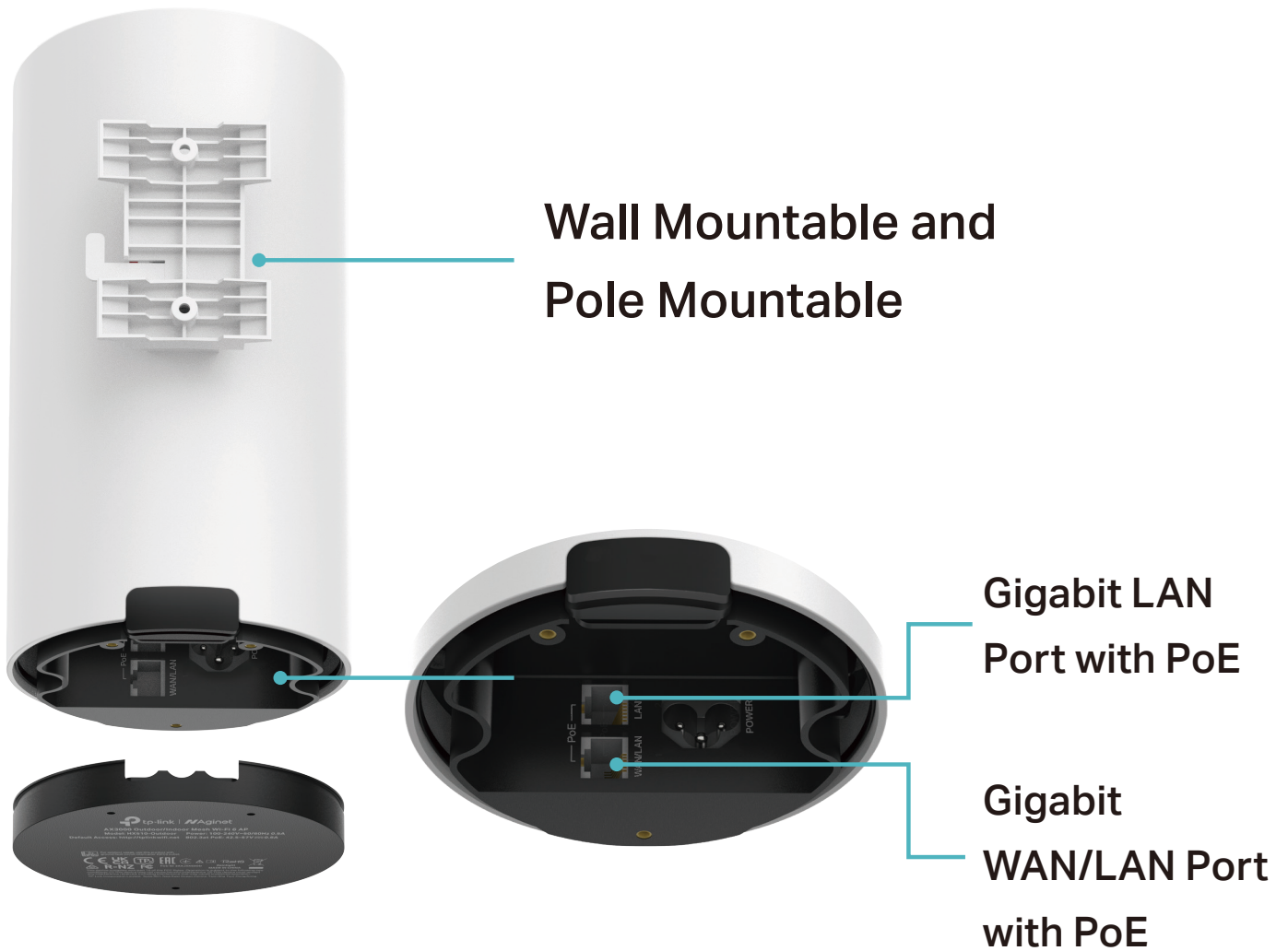
HX510-Outdoors work together to form one unified network. Your phone or tablet automatically connects to the fastest one as you move through your home, creating a truly seamless Wi-Fi experience.



Versatile Mounting Solutions

Our mounting kits are flexible to deploy with pole mount, wall mount and tabletop options, whether inside or outside.

Hardware Description



Specifications

Hardware

- **Interface**
 - 1 × 10/100/1000 Mbps RJ45 WAN/LAN Port
 - 1 × 10/100/1000 Mbps RJ45 LAN Port (both support 802.3at PoE)
- **Antenna**
 - Internal Wi-Fi antennas
- **Power Adapter Input**
 - IEEE 802.3at PoE or 100-240V~50/60Hz 0.5A AC
- **Dimensions (W * D * H)**
 - 4.3 × 4.8 × 8.5 in (110 × 121.3 × 215.5 mm)
- **Button**
 - Reset Button
- **CPU**
 - 1GHz Dual-Core CPU

Wireless

- **Wireless Standards**
 - IEEE 802.11ax/ac/n/a 5 GHz,
 - IEEE 802.11ax/n/g/b 2.4 GHz
- **Signal Rate**
 - 5 GHz: 2402 Mbps (802.11ax)
 - 2.4 GHz: 574 Mbps (802.11ax)
- **Transmit Power**
 - FCC: <30 dBm(5 GHz), <30 dBm(2.4 GHz)
 - CE: <30 dBm (5 GHz), <20 dBm (2.4 GHz)
- **Wireless Security**
 - WPA/WPA2/WPA3 Personal
- **Frequency**
 - 5 GHz, 2.4 GHz
- **Mesh Protocol**
 - 802.11k/v/r

Software

- **Working Mode**
 - Router Mode, Access Point Mode
- **WAN Type**
 - Dynamic IP/Static IP/PPPoE
- **Protocols**
 - Supports IPv4 and IPv6
- **Multi SSID**
 - Up to 3 SSIDs for each band (including main SSID)
- **Features**
 - IP65 dustproof and water-resistant, Pole/wall/tabletop mountable, OFDMA, Beamforming, Band Steering, 160 MHz Bandwidth, 1024-QAM, Airtime Fairness, WiFi Schedule, Wireless Statistics, Guest Network, Parental Control, QoS (Quality of Service), Port Forwarding, Cloud Firmware Upgrade, Firewall, Network Diagnostic, CWMP, Traffic Statistic
- **Management**
 - Local management: WebGUI, Aginet app
 - Remote management: TR-069, TR-181, TR-369, TR-111, TR-143
 - Cloud management: TP-Link Aginet Unified Cloud (TAUC)
- **DHCP**
 - Server, DHCP Client List, Address Reservation
- **Firewall Security**
 - DoS, SPI Firewall, IP and MAC Address Binding
- **Access Control**
 - Parental Control, Local Management, Host List, White/Black List
- **Dynamic DNS**
 - NO-IP, DynDNS, TP-Link
- **VPN Server**
 - PPTP, OpenVPN, IPSec
- **VPN Pass-through**
 - IPSec, PPTP, L2TP

Others

- **Certification**
 - CE, FCC, RoHS
- **Environment**
 - Operating Temperature: -30°C~60°C (22°F ~140°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 × HX510-Outdoor
 - 1 × RJ45 Ethernet cable
 - 1 × AC Power Cord
 - 1 × Wall Mounting Kit
 - 1 × Quick Installation Guide