

TP-EAP650-O

TP-Link AX3000 Indoor/Outdoor Access Point

Product Overview

TP-Link EAP650-OUTDOOR AX3000 Indoor/Outdoor Access Point, 1x Gigabit Ethernet (RJ-45) Port, Support 802.3at PoE and passive PoE, 8 Mbps to 1201 Mbps @ 802.11ax, 6.5 Mbps to 1083.3 Mbps @ 802.11ac



Specifications

Overview:

EAP650-Outdoor - AX3000 Indoor/Outdoor WiFi 6 Access Point

- Superior WiFi 6 Speeds: Delivers dual band speeds of up to 3 Gbps powered by the latest WiFi 6 technology.
- Higher Network Efficiency: Enjoy faster speeds on more devices with less lag with OFDMA and MU-MIMO.
- 160 MHz Bandwidth Channel: Double the data at peak transmission times on a single stream with HE160 .
- Long-Range Coverage: Dedicated high-power amplifier and professional antennas with an IP67 weatherproof enclosure.
- Omada Mesh Technology: Enables wireless connectivity between access points for extended range and flexible deployment.
- Stay Smooth with Seamless Roaming: Users can enjoy seamless streaming across the property with their devices switching effortlessly between access points.
- PoE Powered: : Supports both 802.3at PoE+ and Passive PoE (adapter included) power supply for flexible installation.
- Centralized Cloud Management: Omada SDN integration manages the whole network locally or from the cloud via web UI or the Omada app.

Features:**Fast and Smooth Outdoor WiFi**

AX3000 Indoor/Outdoor WiFi 6 Access Point

- AX3000 WiFi 6 Speed 2402 Mbps on 5 GHz + 574 Mbps on 2.4 GHz
- 160 MHz Channel Double the data at peak transmission times on a single stream with HE160
- High-Security WiFi 6 WAP3 encryption, Captive Portal (SMS, Facebook Wi-Fi, Voucher), and 802.1x authentication
- Long-Range Coverage Professional Smart Antenna technology and dedicated high-power amplifier
- Omada Mesh Technology Flexible wireless deployment without additional cabling
- Easy and Flexible Installation Supports both 802.3at PoE+ and Passive PoE (adapter included) for flexible installation
- Seamless Roaming Uninterrupted streaming when moving between APs
- IP67 Waterproof & Dustproof Resistant to lightning, dust ingress, shock, vibration, and moisture
- Centralized Cloud Management Omada SDN integration manages the whole network locally or from the cloud

Power up Your Business with New-Era Business WiFi 6

WiFi 6 brings faster speeds, lower lag, less interference, and higher capacity.

Lightning-Fast AX3000 WiFi 6 Speeds

New-era business Wi-Fi 6 with speeds up to 2976 Mbps brings more than twice the speed of Wi-Fi 5.*1 Every application feels more fluid with drastically improved Wi-Fi speeds.

- 1024 QAM 25% more data encoded at one time
- Long OFDM Symbol 11% faster speed
- HE160 Double the data at peak transmission times on a single stream

Long-Range Coverage

Professional antennas equipped with high-power amplifiers utilize WiFi 6 technology to provide strong and expansive wireless coverage to various outdoor environments.

Experience the Peak of WiFi 6 with Smart Antennas

TP-Link Smart Antenna technology brings lower interference, longer coverage, and higher performance. EAP650-Outdoor is equipped with horizontally polarized antennas and vertically polarized antennas, while its intelligent algorithms automatically select the optimal antennas to ensure the peak WiFi experience ideal for outdoor applications.

Flexible Deployment with Omada Mesh and PoE Support

- Less Wiring with Mesh With Mesh technology, Omada EAPs save you from extra wires by wirelessly extending your WiFi signal further and more flexibly to hard-to-wire areas. Using a PoE+ Switch
- Powered with PoE+ Switch Powered and connected by an 802.3at PoE+ switch using one single cable for convenient deployment. Using Omada Mesh Technology
- Powered with Passive PoE Powered and connected by the provided passive PoE adapter using one single cable, ideal for home WiFi deployment. Using the Provided Passive PoE Adapter Grounded PoE Adapter Up to 60m

Always Stay Smooth with Seamless Roaming

Ensures customers enjoy uninterrupted streaming when moving around by switching clients automatically to the access points with the optimal signal.

IP67 Weatherproof Enclosure for Outdoor Environments

EAP650-Outdoor is totally resistant to dust ingress, shock, vibration, and moisture, withstanding the most extreme environments.

Versatile Mounting Solutions

Our mounting kits provide flexible installation, whether inside or outside.

Seamless Integration into the Omada SDN Platform

The Omada Software Defined Networking (SDN) platform integrates network devices including access points, switches, and routers to provide 100% centralized cloud management and create a highly scalable network- all controlled from a single interface.

Easy Management with the Omada

Follow the configuration instructions on the free Omada app to get set up in minutes. Omada lets you configure settings, monitor the network status and manage clients, all from the convenience of a phone or tablet.

Specifications:

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Specifications	
Product Code	TP-EAP650-O
HARDWARE FEATURES	
Interface	1 x Gigabit Ethernet (RJ-45) Port (Support 802.3at PoE and Passive PoE)
Button	Reset
Power Supply	802.3at PoE
	48V Passive PoE (PoE Adapter Included)
Power Consumption	EU: 12.5W (802.3at PoE or Passive PoE)
	US: 14.7W (802.3at PoE or Passive PoE)
Dimensions (W x D x H)	280.4 x 106.5 x 56.8 mm (without antenna & mounting kit)
Antenna	2.4 GHz: 2 x 4 dBi
	5 GHz: 2 x 5 dBi
Weatherproof Enclosure	IP67
Mounting	Pole/Wall Mounting (Kits included)
WIRELESS FEATURES	
Wireless Client Capacity	250+6
Wireless Standards	IEEE 802.11ax/ac/n/g/b/a
Frequency	2.4 GHz, 5 GHz
Signal Rate	802.11ax: 8 Mbps to 1201 Mbps (MCS0-MCS11, NSS = 1 to 2 HE20/40/80)
	802.11ac: 6.5 Mbps to 1083.3 Mbps (MCS0-MCS9, NSS = 1 to 2 VHT20/40/80)
	802.11n: 6.5 Mbps to 300 Mbps (MCS0-MCS15, HT20/40)
	802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps
	802.11b: 1, 2, 5.5, 11 Mbps
	802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps
Transmit Power	CE:
	FCC:

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Product Specification Sheet

Wireless Functions	1024-QAM
	4 x Longer OFDM Symbol
	OFDMA
	Multiple SSIDs (Up to 16 SSIDs, 8 for each band)
	Enable/Disable Wireless Radio
	Automatic Channel Assignment
	Transmit Power Control (Adjust Transmit Power on dBm)
	QoS (WMM)
	MU-MIMO
	Omada Mesh3
	Seamless Roaming3
	Band Steering
	Load Balance
	Airtime Fairness
	Beamforming
	Rate Limit
	Reboot Schedule
	Wireless Schedule
	Wireless Statistics based on SSID/AP/Client
Wireless Security	Captive Portal Authentication3
	Access Control
	Wireless Mac Address Filtering
	Wireless Isolation Between Clients
	SSID to VLAN Mapping
	Rogue AP Detection
	802.1X Support
	WEP, WPA-Personal/Enterprise, WPA2-Personal/Enterprise, WPA3-Personal/Enterprise
MANAGEMENT	
Omada App	Yes
Centralized Management	Omada Cloud-Based Controller
	Omada Hardware Controller (OC300)
	Omada Hardware Controller (OC200)
	Omada Software Controller

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Product Specification Sheet

Cloud Access	Yes, through
	Omada Cloud-Based Controller
	OC300
	OC200
	Omada Software Controller
Email Alerts	Yes
Management MAC Access Control	Yes
SNMP	v1, v2c
System Logging Local/Remote Syslog	Yes
SSH	Yes
Web-based Management	Yes
L3 Management	Yes
Multi-site Management	Yes
Management VLAN	Yes
Zero-Touch Provisioning	Yes. Requiring the use of Omada Cloud-Based Controller
OTHERS	
Certification	CE, FCC, RoHS
Package Contents	Access Point EAP650-Outdoor
	Passive PoE Adapter
	Power Cord
	Mounting Kits
	Installation Guide
System Requirements	Microsoft Windows XP, Vista, Windows 7, Windows 8, Windows10, Windows11, Linux
Environment	Operating Temperature: -30-70 degreesC (-22-158 degreesF)
	Storage Temperature: -40-70 degreesC (-40-158 degreesF)
	Operating Humidity: 10-90% RH non-condensing
	Storage Humidity: 5-90% RH non-condensing

Product Information Online

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

Product page: <https://www.comx.co.za/TP-EAP650-O-TP-Link-AX3000-Indoor-Outdoor-Access-Point-Buy-p-285188.php>

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Product Specification Sheet

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