

EAP650

TP-Link EAP650 AX3000 Ceiling Mount WiFi 6 Access Point

Product Overview

TP-Link EAP650 AX3000 Ceiling Mount WiFi 6 Access Point, 1x Gigabit Ethernet (RJ-45) Port, 802.3at PoE, 5 GHz up to 2402 Mbps, 2.4 GHz up to 574 Mbps



Specifications

Features:

- Ultra-Fast WiFi 6 Speeds: Simultaneous 574 Mbps on 2.4 GHz and 2402 Mbps on 5 GHz totals 2976 Mbps WiFi speeds.
- High-Efficiency WiFi 6: More connected devices can enjoy faster speeds.
- Centralized Cloud Management: Omada SDN integration manages the whole network locally or from the cloud via web UI or Omada app.
- 160 MHz Channel: Double the data at peak transmission times on a single stream with HE160.
- Seamless Roaming: Video streams and voice calls are unaffected as users move between locations.
- Omada Mesh: Enables wireless connectivity between access points for extended range and flexible deployment.
- PoE+ Powered: Supports both 802.3at PoE+ and DC (adapter included) power supply for flexible installations.
- Ultra-Slim Design: 160 mm x 33.6 mm elegant design brings more agility.

AX3000 WiFi 6 Speed

2402 Mbps on 5 GHz + 574 Mbps on 2.4 GHz

High-Efficiency WiFi 6

More connected devices can enjoy faster speeds

Centralized Cloud Management

Manage the whole network locally or from the cloud

160 MHz Channel

Double the data at peak transmission times on a single stream with HE160+

Auto Channel Selection and Power Adjustment*

Optimize overall performance by reducing WiFi interference

Omada Mesh Technology

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Product Specification Sheet

More flexible and convenient wireless deployment

Seamless Roaming

Uninterrupted streaming when moving between APs

Ultra-Slim Design

2160 mm x 33.6 mm elegant design brings more agility

PoE+ Powered

Supports both DC (adapter included) and 802.3at PoE+ for flexible installations

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 WiFi 6 with speeds up to 2976 Mbps brings more than twice the speed of WiFi 5. Every application feels more fluid with drastically improved WiFi speeds.

Seamless Integration into Omada SDN

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

Auto Channel Selection and Power Adjustment to Optimize Overall Performance*

Provides powerful wireless performance while significantly reducing WiFi interference by automatically adjusting the channel settings and transmission power levels of neighboring APs in the same network.

Easy Deployment & Higher Performance by Omada 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.

Optimized Network Performance

Intelligent self-organization optimizes the best path between EAPs while self-healing ensures you stay online even when one AP is disrupted.

Always Stay Smooth with Fast Roaming

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

Ultra-Slim Design Brings More Agility

Exceptional performance with compact design ensures simple WiFi installation while saving space. The elegant appearance makes EAP650 perfectly blend into any modern office, hotel, classroom, or café.

Secure Guest Network with Up to 16 SSIDs

Guest network access provides enhanced security to guests. Different SSIDs also enable flexible access management.

Boost Business with Facebook WiFi and SMS Login

Captive portal (including SMS, Facebook Wi-Fi, Voucher) and 802.1x authentication help maintain authorized guests to use the network. Boost your business with a customized marketing page.

WPA3 for Worry-Free Open Public Networks

With advanced enterprise security, WPA3 provides more data security for previously unsecured and open WiFi hotspots.

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Product Specification Sheet

Band Steering

Automatically moves dual band devices onto the wider 5GHz band for faster connections.

Load Balance

Ensures large numbers of users have smooth network experiences in high-density business networks

Airtime Fairness

Increases average network throughput in heavily congested environments

Specifications:

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Specifications

Product Code	EAP650
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HARDWARE FEATURES

Interface	1x Gigabit Ethernet (RJ-45) Port (supports IEEE802.3at PoE)
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Button	Reset
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Power Supply	802.3at PoE
	12V DC (Power Adapter included)
	(EU Version: 12 V / 1.0 A DC. US Version: 12 V / 1.5 A DC).
	48V Passive PoE

Power Consumption	EU: 13.5 W
	US: 14.7 W

Dimensions (W x D x H)	6.3 x 6.3 x 1.3 in (160 x 160 x 33.6 mm)
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Antenna Type	Internal Omni
	2.4 GHz: 2x 4 dBi
	5 GHz: 2x 5 dBi

Mounting	Ceiling /Wall Mounting (Kits included)
	Junction Box Mounting

WIRELESS FEATURES

Wireless Standards	IEEE 802.11ax/ac/n/g/b/a
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Frequency	2.4 GHz and 5 GHz
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Signal Rate	5 GHz: Up to 2402 Mbps
	2.4 GHz: Up to 574 Mbps

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Wireless Functions	1024-QAM
	4x 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
	HE160 (160 MHz Bandwidth)
	Seamless Roaming S
	Omada MeshS
	Band Steering
	Load Balance
	Airtime Fairness
	Beamforming
	Rate Limit
	Reboot Schedule
	Wireless Schedule
	Wireless Statistics based on SSID/AP/Client
Wireless Security	Captive Portal AuthenticationS
	Access Control
	Wireless Mac Address Filtering
	Wireless Isolation Between Clients
	SSID to VLAN Mapping
	Rogue AP Detection
	802.1X Support
	WPA-Personal/Enterprise, WPA2-Personal/Enterprise, WPA3-Personal/Enterprise
Transmission Power	CE:
	FCC:
MANAGEMENT	
Omada App	Yes

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Product Specification Sheet

Centralized Management	Omada Hardware Controller (OC300)
	Omada Hardware Controller (OC200)
	Omada Software Controller
	Omada Cloud-Based Controller
Cloud Access	Yes. Requiring the use of OC300, OC200, Omada Cloud-Based Controller, or Omada Software Controller.
Email Alerts	Yes
LED ON/OFF Control	Yes
Management MAC Access Control	Yes
SNMP	v1, v2c, v3
System Logging Local/Remote Syslog	Local/Remote Syslog
SSH	Yes
Web-based Management	HTTP/HTTPS
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	EAP650
	Power Adapter
	Ceiling/Wall Mounting Kits
	Installation Guide
System Requirements	Microsoft Windows XP, Vista, Windows 7, Windows 8, Windows10, Windows 11, Linux
Environment	Operating Temperature: 0-40 degreesC (32-104 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-computers.co.za/EAP650-TP-Link-EAP650-AX3000-Ceiling-Mount-WiFi-6-Access-Buy-p-284239.php>

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