

TP-LINK Omada EAP650-OUTDOOR(EU), 2.4 GHz, 5 GHz, 3000 Mbit/s, WPA, WPA- Enterprise, WPA2, WPA2-Enterprise, WPA3, WPA3-Enterprise, 10,100,1000 Mbit/s

2.4GHz (574Mbps) - 5GHz (2402Mbps) - 1x Gigabit Ethernet (RJ-45) -
Wi-Fi 6 802.11ax/ac/n/g/b/a - 280.4 x 106.5 x 56.8 mm - EU

Group	Network Equipment
Manufacturer	TP-LINK
Manufacturer item no.	EAP650-OUTDOOR
EAN/UPC	4897098683552



Description

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

Ideal for Small, Medium, and Large Business Outdoor WiFi Coverage Outdoor WiFi for Business Scenarios

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.

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.

Powered with PoE+ Switch

Powered and connected by an 802.3at PoE+ switch using one single cable for convenient deployment.

Powered with Passive PoE

Powered and connected by the provided passive PoE adapter using one single cable, ideal for home WiFi deployment.

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.

Main features

	General
2.4 GHz	Yes
5 GHz	Yes
Maximum data transfer rate	3000 Mbit/s
Security algorithms	WPA, WPA-Enterprise, WPA2, WPA2-Enterprise, WPA3, WPA3-Enterprise
Ethernet LAN data rates	10,100,1000 Mbit/s

Power over Ethernet (PoE)	Yes
Product colour	White

Extended details

	Features
2.4 GHz	Yes
5 GHz	Yes
6 GHz	No
Maximum data transfer rate	3000 Mbit/s
Maximum data transfer rate (2.4 GHz)	574 Mbit/s
Maximum data transfer rate (5 GHz)	2402 Mbit/s
Ethernet LAN data rates	10,100,1000 Mbit/s
Networking standards	IEEE 802.11a, IEEE 802.11ac, IEEE 802.11ax, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, IEEE 802.1x, IEEE 802.3at
Cabling technology	10/100/1000Base-T(X)
Number of users	250 user(s)
Automatic channel selection	Yes
Automatic channel scanning	Yes
MIMO	Yes
MIMO type	Multi User MIMO
Fit AP mode features	Mesh networking
VLAN support	Yes
Rate limiting	Yes
Band steering	Yes
Airtime Fairness (ATF)	Yes
Quality of Service (QoS) support	Yes
BeamForming	Yes
	Security
Security algorithms	WPA, WPA-Enterprise, WPA2, WPA2-Enterprise, WPA3, WPA3-Enterprise
MAC address filtering	Yes
Service Set Identifier (SSID) features	Multiple SSIDs, SSID broadcast on/off
	Design
Placement	Pole, Wall
Product colour	White
International Protection (IP) code	IP67
Reset button	Yes
LED indicators	Yes

	Antenna
Antenna type	Internal
Antenna direction type	Omni-directional
	Operational conditions
Operating relative humidity (H-H)	10 - 90 %
Operating temperature (T-T)	-30 - 70 °C
Storage temperature (T-T)	-40 - 70 °C
Storage relative humidity (H-H)	5 - 90 %
	Packaging content
Quantity per pack	1 pc(s)
Mounting kit	Yes
Quick start guide	Yes
	Weight & dimensions
Width	280.4 mm
Depth	106.5 mm
Height	56.8 mm
	Ports & interfaces
Ethernet LAN (RJ-45) ports	1
USB 2.0 ports quantity	0
	Power
Power over Ethernet (PoE)	Yes
	Certificates
Certification	CE, FCC, RoHS