

TP-LINK Omada AX1800 Wireless Dual Band Ceiling Mount Access Point, 2.4 GHz, 5 GHz, 1775 Mbit/s, WPA, WPA-Enterprise, WPA2, WPA2-Enterprise, WPA3, WPA3-Enterprise, 10,100,1000 Mbit/s

1× Gigabit Ethernet (RJ-45) - IEEE 802.11ax/ac/n/g/b/a - 2.4 / 5 GHz - 802.3at PoE - 160 x 160 33.6 mm



Group	Network Equipment
Manufacturer	TP-LINK
Manufacturer item no.	EAP610
EAN/UPC	4897098682135

Description

What This Product Does

EAP610 is an AX1800 Ceiling Mount WiFi 6 Access Point, and is ideal for networking upgrade to WiFi 6, such as offices, campuses, retails, and hotels. With WiFi 6 technology, it provides faster speeds, less lag, and higher capacity. The advanced functions including Omada Mesh, Seamless Roaming, MU-MIMO, Captive Portal further boost network security, efficiency, and coverage.

Additionally, this product is integrated into Omada Software Defined Networking (SDN) system, and can be centrally managed with cloud access via Omada Hardware Controller or Software Controller. The ability to control, adjust, and visualize the entire network from any connected PC makes centralized business Wi-Fi management efficient than ever before.

Upgrade to WiFi 6, Power up Your Business

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

- Superior WiFi 6 Speeds

Upgrade to WiFi 6 with speeds up to 1775 Mbps (simultaneous 574 Mbps on 2.4 GHz and 1201 Mbps on 5 GHz) brings 50% faster speeds than WiFi 5†. In addition, every application feels more fluid with drastically improved WiFi speeds, powered by 4 spatial streams, 1024 QAM, and longer OFDM symbol times.

- Higher Efficiency for More Devices

WiFi 6 features such as OFDMA and MU-MIMO handle multiple clients across congested environments such as typical office spaces, lodging, and small clinics. Enjoy faster speeds on more devices with less lag.

Software Defined Networking (SDN) with Cloud Access

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.

- Hardware or Software Controllers
- Centralized Cloud Management
- Multi-Site Cloud Management
- Intelligent Monitoring

Easy Deployment & Higher Performance by Omada Mesh

- Easy Pairing, Less Wiring

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 an 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.

Easy to Install with Refined Industrial Design and PoE Support

EAP610 supports both DC and 802.3at PoE+ for flexible installations. The addition of elegant appearance and simple mounting design for easy attachment to a wall or ceiling further makes deployment effortless and easy.

Boosted Network Security and Efficiency

- Secure Guest Network with Up to 16 SSIDs

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

- Captive Portal with Facebook WiFi and SMS Login

Captive portal (including SMS, Facebook WiFi, 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 and Enhanced Open™, WPA3 provides more data security for previously unsecured and open WiFi hotspots.

- Band Steering

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

- Load Balance

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

- Airtime Fairness

Increases average network throughput in heavily congested environments.

Main features

	General
2.4 GHz	Yes
5 GHz	Yes
Maximum data transfer rate	1775 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	1775 Mbit/s
Maximum data transfer rate (2.4 GHz)	574 Mbit/s
Maximum data transfer rate (5 GHz)	1201 Mbit/s
Ethernet LAN data rates	10,100,1000 Mbit/s
Frequency band	2.4 - 5 GHz
Networking standards	IEEE 802.11a, IEEE 802.11ac, IEEE 802.11ax, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n
Cabling technology	10/100/1000Base-T(X)
Automatic channel selection	Yes
Automatic channel scanning	Yes
MIMO	Yes
MIMO type	Multi User MIMO
Spread spectrum method	OFDMA
Fit AP mode features	Mesh networking
VLAN support	Yes
Rate limiting	Yes
Flow control support	Yes
Band steering	Yes
Airtime Fairness (ATF)	Yes
Quality of Service (QoS) support	Yes
Transmitting power (CE)	<20 dBm(2.4 GHz, EIRP); <23 dBm(5 GHz, EIRP) dBm
Transmitting power (FCC)	<25 dBm (2.4 GHz); <25 dBm (5 GHz) dBm
	Management features
Web-based management	Yes
Syslog	Yes
Firmware upgradeable	Yes
	Security
Security algorithms	WPA, WPA-Enterprise, WPA2, WPA2-Enterprise, WPA3, WPA3-Enterprise
MAC address filtering	Yes
Access Control List (ACL)	Yes
	Design
Placement	Ceiling, Wall

Product colour	White
Reset button	Yes
LED indicators	Yes
Antenna	
Antenna type	Internal
Operational conditions	
Operating relative humidity (H-H)	10 - 90 %
Operating temperature (T-T)	0 - 40 °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	160 mm
Depth	160 mm
Height	33.6 mm
Ports & interfaces	
Ethernet LAN (RJ-45) ports	1
USB 2.0 ports quantity	0
DC-in jack	Yes
Power	
Power over Ethernet (PoE)	Yes
Power over Ethernet (PoE) type supported	Passive PoE
DC voltage range	12 V
Packaging data	
Package type	Box
Certificates	
Certification	CE, FCC, RoHS