

EAP610

TP-Link AX1800 ceiling Mount Dual-Band Wi-Fi 6 Access Point

Product Overview

TP-Link TP-EAP610 AX1800 ceiling Mount Dual-Band Wi-Fi 6 Access Point, 1x Gigabit Ethernet (RJ-45) Port (Supports IEEE802.3at PoE), 2.4 GHz and 5 GHz, Up to 1201 Mbps 5 GHz, Up to 574 Mbps 2.4 GHz



Specifications

Overview Summary:

TP-Link EAP610 AX1800 WiFi 6 Ceiling Mount Access Point is designed for high-density business environments requiring stable, fast, and centrally managed wireless connectivity. With dual-band speeds up to 1775 Mbps, it delivers reliable performance for offices, retail spaces, and hospitality setups across South Africa. Its PoE+ support simplifies installation, allowing both power and data over a single Ethernet cable.

Built on WiFi 6 technology, this access point improves capacity, reduces latency, and supports more connected devices without performance drops. The Omada SDN platform enables cloud-based management, giving you full control of your network from anywhere. With seamless roaming and mesh capability, users stay connected while moving across coverage areas. Buy now or shop now to upgrade your business network with scalable wireless performance.

Performance tier:Business-grade mid-range

Uses:office WiFi deployment, retail connectivity, hospitality networks, education campuses, enterprise guest WiFi, multi-device environments

Overview:

The TP-Link EAP610 is an AX1800 dual-band ceiling mount WiFi 6 access point designed to deliver fast, stable, and scalable wireless connectivity for modern business environments. It combines high-speed performance with efficient multi-device handling, making it suitable for offices, retail spaces, and enterprise deployments that require consistent coverage and centralised control.

Description:

The EAP610 delivers next-generation WiFi 6 performance with combined wireless speeds of up to 1775 Mbps, supporting both 2.4 GHz and 5 GHz bands for improved capacity and reduced congestion. Built for ceiling-mounted deployment, it integrates seamlessly into professional environments while maintaining strong coverage and stable roaming. With support for PoE+ and cloud-based management, it simplifies installation and ongoing network control. The device is engineered to handle dense device environments efficiently while maintaining low latency for everyday business applications such as video conferencing, VoIP, and cloud access.

Features:

AX1800 WiFi 6 Performance for High-Demand Environments

The EAP610 leverages WiFi 6 technology to improve speed, efficiency, and capacity across multiple connected devices. It is designed to reduce latency and improve responsiveness in busy network conditions.

- Up to 574 Mbps on 2.4 GHz band
- Up to 1201 Mbps on 5 GHz band
- Combined wireless throughput of up to 1775 Mbps
- 1024-QAM modulation for higher data efficiency
- Improved OFDMA support for multi-device environments

These enhancements make it well suited for environments where multiple users are connected simultaneously and require consistent performance.

Centralised Network Control with Omada SDN

The TP-Link Omada Software Defined Networking platform enables unified management of the entire network from a single

interface. The EAP610 integrates directly into this ecosystem for streamlined administration.

Network control capabilities include:

- Cloud or local management via web interface or Omada app
- Centralised configuration of multiple access points and network devices
- Scalable architecture for expanding deployments
- Real-time monitoring and network analytics

The part number EAP610 is fully supported within the Omada ecosystem, ensuring compatibility across switches, routers, and additional access points.

Mesh Connectivity and Seamless Roaming

The device supports Omada Mesh technology, allowing wireless interconnection between access points without requiring extensive cabling. This provides flexibility in deployment across complex building layouts.

Key advantages include:

- Wireless extension of network coverage between access points
- Automatic optimisation of data paths between nodes
- Self-healing network behaviour if one access point fails
- Fast roaming support to maintain uninterrupted connectivity during movement

This ensures stable performance for applications such as video streaming and voice communication even while users move across coverage zones.

Installation Flexibility and Power Options

Designed for professional installation, the EAP610 supports multiple power input methods to simplify deployment in different environments.

- IEEE 802.3at PoE+ support for single-cable power and data delivery
- Optional DC power input for alternative installation scenarios
- Ceiling mount form factor for optimal signal distribution
- One Gigabit Ethernet RJ-45 port for high-speed wired uplink

These options reduce installation complexity while maintaining flexibility for various infrastructure designs.

Key Technical Details and Deployment Data

The EAP610 AX1800 ceiling mount access point is engineered for reliable enterprise-grade wireless performance.

- Product SKU: EAP610
- WiFi standard: WiFi 6 (802.11ax)
- Frequency bands: 2.4 GHz and 5 GHz
- Maximum wireless speed: up to 1775 Mbps combined
- Ethernet port: 1 x Gigabit RJ-45
- Power options: PoE+ (802.3at) or DC input
- Deployment type: Ceiling mount access point

This combination of specifications positions the device as a scalable solution for organisations requiring stable, centrally managed wireless infrastructure.

Specifications:

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Product Specification Sheet

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Specifications

Product Code	EAP610
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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
	12 V / 1 A DC

Power Consumption	EU: 12.8 W (For PoE), 10.8 W (for DC)
	US: 13.9W (For PoE), 11.8 W (for DC)

Dimensions (W x D x H)	9.6 x 9.6 x 2.5 in (243 x 243 x 64 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)
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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 1201 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
	Seamless Roaming
	Omada Mesh
	Band Steering
	Load Balance
	Airtime Fairness
	Beamforming
	Rate Limit
	Reboot Schedule
	Wireless Schedule
	Wireless Statistics based on SSID/AP/Client
Wireless Security	Captive Portal Authentication
	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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Centralized Management	Omada Hardware Controller (OC300)
	Omada Hardware Controller (OC200)
	Omada Software Controller
Cloud Access	Yes (Through OC300, OC200, 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
OTHERS	
Certification	CE, FCC, RoHS
Package Contents	EAP610
	Power Adapter
	Ceiling/Wall Mounting Kits
	Installation Guide
System Requirements	Microsoft Windows XP, Vista, Windows 7, Windows 8, Windows10, 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.co.za/EAP610-TP-Link-AX1800-ceiling-Mount-Dual-Band-Wi-Fi-6-Access-Point-p-337546.php>

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