

TP-LINK OMADA EAP787, 2.4 GHz, 5 GHz, 6 GHz, WPA, WPA2, WPA3

BE15000 Ceiling Mount Tri-Band Wi-Fi 7 Access Point

Group	Network Equipment
Manufacturer	TP-LINK
Manufacturer item no.	EAP787
EAN/UPC	1210002600569



Description

- Dedicated RF Scanning: Offers real-time spectrum monitoring and dynamic interference avoidance for robust wireless performance.§
- Maximized 6 GHz Coverage with AFC: Unlock stronger signals and extended 6 GHz range performance#
- Tri-Band 8-Stream Wi-Fi 7: 5765 Mbps on 6 GHz, 8648 Mbps on 5 GHz, and 688 Mbps on 2.4 GHz.†
- 1× 10G Port: Ensures fast connectivity throughout the network
- Low Latency and Interference: 320MHz Bandwidth, Multi-Link Operation, Multi-RUs, and 4K-QAM ensure high performance for your network.‡
- Flexible Deployment and Easy Setup: Supports both 802.3bt PoE and DC power supply for flexible installation with Omada SDN for one-click setup.
- Advanced Features: Supports centralized management, Mesh, and Seamless Roaming.?
- More Capacity and Wider Coverage: Supports 510+ concurrent clients** and covers up to 1750 ft² (160 m²)* for reliable and extensive wireless connectivity

Dedicated Spectral Analyzer Radio for Higher Efficiency in O&M

Optimized Wired Performance with 10G PoE++ Port

With a 10 Gigabit Ethernet Port, EAP787 delivers remarkable multi-gigabit performance for higher bandwidth and faster WiFi. Compatibility with 802.3bt PoE is ideal for flexible deployment.

Empowering Businesses with Reliable Omada SDN Solutions

Omada’s Software-Defined Networking (SDN) solution seamlessly integrates access points (APs), managed switches, and gateways, enabling 100% centralized cloud management for a highly scalable network.

Main features

	General
2.4 GHz	Yes
5 GHz	Yes
6 GHz	Yes
Security algorithms	WPA, WPA2, WPA3
Power over Ethernet (PoE)	Yes
Product colour	White

Extended details

Features

2.4 GHz	Yes
5 GHz	Yes
6 GHz	Yes
Maximum data transfer rate (2.4 GHz)	688 Mbit/s
Maximum data transfer rate (5 GHz)	8648 Mbit/s
Maximum data transfer rate (6 GHz)	5765 Mbit/s
Frequency band	2.4 - 6 GHz
Networking standards	IEEE 802.11a, IEEE 802.11ac, IEEE 802.11ax, IEEE 802.11b, IEEE 802.11be, IEEE 802.11g, IEEE 802.11n
Coverage area	1750 m ²
Number of users	510 user(s)
Bluetooth	Yes
Automatic channel selection	Yes
Automatic channel scanning	Yes
MIMO	Yes
MIMO type	Multi User MIMO
VLAN support	Yes
Rate limiting	Yes
Flow control support	Yes
Band steering	Yes
Airtime Fairness (ATF)	Yes
Quality of Service (QoS) support	Yes
BeamForming	Yes
	Security
Security algorithms	WPA, WPA2, WPA3
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	220 mm
Depth	220 mm
Height	38.8 mm
Ports & interfaces	
USB 2.0 ports quantity	0
DC-in jack	Yes
Power	
Power over Ethernet (PoE)	Yes
DC voltage range	12 V
Input current	2.5 A
Packaging data	
Package type	Box
Certificates	
Certification	CE, FCC, RoHS, IC