

TP-EAP690EHD

TP-Link AP690E HD AXE11000 Ceiling Mount Dual-Band Wi-Fi 6E Access Point

Product Overview

TP-Link AP690E HD AXE11000 Ceiling Mount Dual-Band Wi-Fi 6E Access Point, 1x 10Gbps Ethernet Port, 802.3bt PoE or 12V / 4.5A DC Power Supply, Ceiling / wall mouting, 2000+ Wireless Client capacity, 6GHz @ 4804 Mbps, 5GHZ_1 @ 2402 Mbps, 5GHZ_2 @ 2402 Mbps, 2.4GHz @ 1148 Mbps



Specifications

Overview:

EAP690E HD - AXE11000 Ceiling Mount Quad-Band WiFi 6E Access Point

- Ultra-Fast Wi-Fi 6 Speeds : Simultaneous 4804 Mbps on 6 GHz, 4804 Mbps on 5 GHz, and 1148 Mbps on 2.4 GHz for 10.8 Gbps WiFi speeds.
- High-Density Connectivity up to 2000 Clients : Improves WiFi performance in dense environments with OFDMA, MU-MIMO, and BSS Coloring.
- 160 MHz Bandwidth Channel: Double the data at peak transmission times on a single stream with HE160.
- SmartAntennas: Professional antennas with high-power amplifiers provide strong wireless coverage in high-density environments.
- PoE++ Support : Supports Power over Ethernet (802.3bt) for convenient deployment and installation.
- Integrated into Omada SDN : Supports Zero-Touch Provisioning (ZTP), Centralized Cloud Management, and Intelligent Monitoring.

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- Centralized Management : Cloud access and the Omada app offer ultra convenience and easy management.

Features:

Next-Gen AXE11000 Enterprise Wireless for High-Density Environments

EAP690EHD

- High-Density Connectivity Capable of connecting up to 2,000+ clients
- Ultra-Fast AXE11000 WiFi 6 Speed Simultaneous 4804 Mbps on 6 GHz, 4804 Mbps on 5 GHz, and 1148 Mbps on 2.4 GHz for 10.8 Gbps
- Centralized Cloud Management Manage the whole network with cloud access or the Omada app
- Smart Antennas Professional Smart Antenna technology and intelligent algorithms
- 10GE Wired Performance Boosts overall throughput with a 10 Gbps Ethernet port
- 160 MHz Bandwidth Channel Double the data at peak transmission times on a single stream with HE160
- Omada Mesh Technology More flexible and convenient wireless deployment
- PoE++ Support Supports Power over Ethernet (802.3bt) for convenient deployment

Higher Efficiency for More Devices and Scenarios

OFDMA and Uplink & Downlink MU-MIMO increase network capacity by up to 4x versus WiFi 5 (802.11ac) in high-density environments to connect more devices simultaneously. Leverage multi-user capabilities and upgrade your business like never before.

Ultra-Fast AXE11000 WiFi 6 Speeds

High-end business WiFi 6 with speeds up to 10.8 Gbps brings 5.3x faster speeds than WiFi 5.

- 1024 QAM 25% more data encoded at one time
- Long OFDM Symbol 11% faster speed
- HE160 Double the data at peak transmission times on a single stream

Experience the Peak of WiFi with Smart Antennas

Improve performance, lower interference, and extend coverage for user-heavy scenarios through TP-Link Smart Antenna technology. Equipped with an ingenious 6 GHz/5 GHz/2.4 GHz antenna array, EAP690E HD automatically selects the optimal antennas to cover all terminal devices via intelligent algorithms, delivering lag-free and superb WiFi experiences.

Reliable Business Networks with Intelligent Power Supply

With the intelligent power supply feature of EAP690E HD, the PoE switch can act as a backup power source. Intelligent power supply automatically and smoothly powers EAP690E HD when the DC adapter is accidentally disconnected, delivering a reliable and safe business network experience.

Seamless Integration into Omada SDN

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. Experience total control at your fingertips.

Auto Channel Selection and Power Adjustment to Optimize Overall Performance

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

Easy Pairing, Less Wiring

With Mesh technology, Omada APs save you from redundant wires by wirelessly extending your WiFi signal farther and more flexibly to hard-to-wire areas.

Optimized Network Performance

Intelligent self-organization optimizes the best path between APs, while self-healing ensures your devices stay online even when one AP is disrupted.

Security

- Secure Guest Network with up to 32 SSIDs Guest network access provides enhanced security to guests. Different SSIDs also enable flexible access management.

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Product Specification Sheet

- Boost Business with SMS Login Captive portal (including SMS and 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.

Efficiency

- Band Steering Automatically moves dual band devices onto the wider 5 GHz/6 GHz 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	TP-EAP690EHD
HARDWARE FEATURES	
Interface	1x 10Gbps Ethernet Port
Button	Reset
Power Supply	802.3bt PoE or 12V/4.5A DC
Power Consumption	Support Smart Power Consumption Management
	EU:
	44.9 W (802.3bt, full functionality)
	40.6 W (12/4.5A, full functionality)
	25.5 W (802.3at, 5GHz-2 and 6 GHz off)
	12.95 W (802.3af, radio off, only main chip and LAN working)
	US:
	50.5 W (802.3bt, full functionality)
	44.2 W (12/4.5A, full functionality)
	25.5 W (802.3at, 5GHz-2 and 6 GHz off)
	12.95 W (802.3af, radio off, only main chip and LAN working)
Dimensions (W x D x H)	11 x 11 x 2.3 in (280 x 280 x 59.1 mm)
Antenna Type	2.4 GHz: 4 x 4.0 dBi
	5 GHz-1: 4 x 5.0 dBi (Smart Antennas)
	5 GHz_2: 4 x 5.5 dBi(Smart Antennas)
	6 GHz: 4 x 5.0 dBi
Bluetooth	Yes
Mounting	Ceiling / Wall mouting (Kits included)
WIRELESS FEATURES	
Wireless Client Capacity	2,000+

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Wireless Standards	IEEE 802.11 a/b/g/n/ac/ax
Frequency	2.4 GHz
	5 GHz
	6 GHz
Signal Rate	6 GHz:4804 Mbps
	5 GHz_1: 2402 Mbps
	5 GHz_2: 2402 Mbps
	2.4 GHz: 1148 Mbps
Wireless Security	WPA-Personal/Enterprise, WPA2-Personal/Enterprise, WPA3-Personal/Enterprise, OWE
Transmission Power	CE:
	FCC:
Multi-SSID	32(8 on each band)
MANAGEMENT	
SNMP	v1, v2c, v3
OTHERS	
Certification	CE, FCC, RoHS, IC
Package Contents	
Environment	Operating Temperature: 0 degreesC-40 degreesC (32 degreesF-104 degreesF)
	Storage Temperature: -40 degreesC-70 degreesC (-40 degreesF-158 degreesF)
	Operating Humidity: 10%-90% non-condensing
	Storage Humidity: 5%-90% 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/TP-EAP690EHD-TP-Link-AP690E-HD-AXE11000-Ceiling-Mount-Buy-p-290403.php>

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PDF generated: 2026-10-12 07:57:19.

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