



## DESCRIPTION

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

### What This Product Does Beyond the Boundaries of Business WiFi 6

Powered by WiFi 6E technology, the EAP690E HD ensures hyper-connectivity with steady performance in demanding environments. As the flagship product of Omada access points, EAP690E HD unlocks the full potential of client devices with blazing-fast quad-band speeds up to 10,752 Mbps. As an access point that seamlessly integrates into the Omada Software Defined Networking (SDN) platform, EAP690E HD allows for remote and centralized management, anywhere, anytime.

WiFi 6 on 6 GHz Band

Minimal congestion on a new frequency

AXE11000 Quad-Band WiFi 6

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-Efficiency WiFi 6

More connected devices can enjoy faster speeds

Centralized Cloud Management

Manage the whole network locally or from the cloud

10GE Wired Performance

Boosts overall throughput with a 10 Gbps Ethernet port

Auto Channel Selection and Power Adjustment\*

Optimize overall performance by reducing WiFi interference

Omada Mesh Technology

More flexible and convenient wireless deployment@

Seamless Roaming

Uninterrupted streaming when moving between APs@

PoE++ Powered  
Supports both DC (adapter included) and 802.3bt PoE++ for flexible installations

**WiFi 6E Ensures Hyper-Connectivity with Steady Performance**

WiFi 6 brings faster speeds, lower lag, less interference, and higher capacity. AXE11000 WiFi 6 future-proofs your business. WiFi 6E further unlocks the full potential of WiFi 6.

Blazing-Fast AXE11000 Quad-Band WiFi 6

Omada EAP690E HD becomes the next-level speed machine that offers astonishing WiFi. Sixteen streams, 1024 QAM, and an extended OFDM Symbol ensure all the clients transmit at their peak run.

High-Density Connectivity up to 2000 Clients

The WiFi 6E access point easily connects up to 2,000 clients, thanks to the advanced WiFi 6, OFDMA, MU-MIMO, BSS Coloring, and powerful chips. It makes high-density scenarios like stadiums, concerts, schools, and shopping malls faster to build and more robust WiFi.

WiFi 6E Unlocks the Full Potential of WiFi 6

Opening the 6 GHz band will change the game for WiFi 6. WiFi 6E brings about upgraded performance in network efficiency and capacity. The 6 GHz band is available only for WiFi 6 traffic, allowing WiFi 6 to meet its intended potential.

**Seamless Integrated into Omada SDN Platform**

The Omada Software Defined Networking (SDN) platform integrates network devices, including access points, switches, and routers. It provides 100% centralized cloud management and creates a highly scalable network controlled from a single interface.

Hardware, Software, or Cloud-Based Controllers

Centralized Cloud Management

Intelligent Monitoring

Zero-Touch Provisioning (ZTP)\*

**Auto Channel Selection and Power Adjustment to Optimize Overall Performance\***

They provide powerful wireless performance while significantly reducing WiFi interference by automatically adjusting the channel settings and transmission power levels of neighboring APs in the same network.

**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 one AP is disrupted.

**Always Stay Smooth with Fast Roaming**

Ensure customers enjoy uninterrupted streaming when moving around by switching clients automatically to APs with the best signal.

**Boosted Network Security and Efficiency**

Safeguard your network and data against brute force attack and snooping with WPA3 enterprise-grade security protection, portal authentication, and segregated guest networks.

Secure Guest Network with Up to

**TECHNICAL CHARACTERISTICS**

|                          |
|--------------------------|
| Brand : TP-LINK          |
| Part number : EAP690E HD |
| Connexion WAN :          |
| Ethernet WAN : N         |
| DSL WAN : N              |
| Caractéristiques :       |

|                                                                                                             |
|-------------------------------------------------------------------------------------------------------------|
| Certification : CE, FCC, RoHS, IC                                                                           |
| 3G/4G USB modem compatibility : N                                                                           |
| Antenna design : Internal                                                                                   |
| Antenna gain level (max) : 5.5 dBi                                                                          |
| Antenna type : 2x2                                                                                          |
| Antennas quantity : 4                                                                                       |
| Depth : 280 mm                                                                                              |
| Ethernet LAN : N                                                                                            |
| Height : 59.1 mm                                                                                            |
| Networking standards : IEEE 802.11a, IEEE 802.11ac, IEEE 802.11ax, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n |
| Number of products included : 1 pc(s)                                                                       |
| Operating relative humidity (H-H) : 10 - 90%                                                                |
| Operating temperature (T-T) : 0 - 40 °C                                                                     |
| Output current : 4.5 A                                                                                      |
| Output voltage : 12 V                                                                                       |
| Power consumption (typical) : 50.5 W                                                                        |
| Power source type : DC, PoE                                                                                 |
| Product colour : White                                                                                      |
| Product type : Portable router                                                                              |
| Reset button : Y                                                                                            |
| Security algorithms : WPA, WPA-Enterprise, WPA2, WPA2-Enterprise, WPA3, WPA3-Enterprise                     |
| SIM card slot : N                                                                                           |
| Storage relative humidity (H-H) : 5 - 90%                                                                   |
| Storage temperature (T-T) : -40 - 70 °C                                                                     |
| Top Wi-Fi standard : 802.11a                                                                                |
| Wall mountable : Y                                                                                          |
| Width : 280 mm                                                                                              |
| Wi-Fi band : Tri-band (2.4 GHz / 5 GHz / 6 GHz)                                                             |
| Wi-Fi standards : 802.11a                                                                                   |
| WLAN data transfer rate (first band) : 4804 Mbit/s                                                          |
| WLAN data transfer rate (max) : 4804 Mbit/s                                                                 |
| WLAN data transfer rate (second band) : 2402 Mbit/s                                                         |
| WLAN data transfer rate (third band) : 1148 Mbit/s                                                          |