HARDWARE FEATURES

Button	Reset
Power Supply	• 802.3at PoE • 12V DC (EU Version: 12 V / 1.0 A DC. US Version: 12 V / 1.5 A DC). Note: DC adapter is not included in the package, and is sold separately.
Power Consumption	• EU: 13.5 W • US: 14.7 W
Dimensions (W x D x H)	6.3 × 6.3 × 1.3 in (160 × 160 × 33.6 mm)
Antenna Type	Internal Omni • 2.4 GHz: 2× 4 dBi • 5 GHz: 2× 5 dBi
Mounting	• Ceiling /Wall Mounting (Kits included) • Junction Box Mounting

WIRELESS FEATURES

Coverage	140㎡(1500 ft²)***
Concurrent Clients	250+**
Wireless Standards	IEEE 802.11ax/ac/n/g/b/a
Frequency	2.4 GHz and 5 GHz
Signal Rate	• 5 GHz: Up to 2402 Mbps† • 2.4 GHz: Up to 574 Mbps†
Wireless Functions	• 1024-QAM • 4× 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 • HE160 (160 MHz Bandwidth)‡ • Seamless Roaming § • Omada Mesh§ • Band Steering • Load Balance • Airtime Fairness • Beamforming • Rate Limit • Reboot Schedule • Wireless Schedule • Wireless Statistics based on SSID/AP/Cl
Wireless Security	• Captive Portal Authentication§ • Access Control • Wireless Mac Address Filtering • Wireless Isolation Between Clients • SSID to VLAN Mapping • Rogue AP Detection

WIRELESS FEATURES

	• 802.1X Support • WPA-Personal/Enterprise, WPA2-Personal/Enterprise, WPA3-Personal/Enterprise
Transmission Power	• CE: <20 dBm(2.4 GHz, EIRP) <23 dBm(5 GHz, Band1 & Band2, EIRP) <27 dBm(5 GHz, Band3, EIRP) • FCC: <22 dBm (2.4 GHz) <22 dBm (5 GHz)

MANAGEMENT

Omada App	Yes
Centralized Management	• Omada Hardware Controller (OC300) • Omada Hardware Controller (OC200) • Omada Software Controller • Omada Cloud-Based Controller
Cloud Access	Yes (Through OC300, OC200, Omada Software Controller, or Omada Cloud-Based 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
Zero-Touch Provisioning	Yes. Requiring the use of Omada Cloud-B

OTHERS

Certification	CE, FCC, RoHS
Package Contents	• EAP653 • Ceiling/Wall Mounting Kits • Installation Guide Note: DC adapter is not included in the pa

OTHERS

System Requirements	Microsoft Windows XP, Vista, Windows 7, Windows 8, Windows10, Windows 11, Linux
Environment	• Operating Temperature: 0–40 °C (32–104 °F) • Storage Temperature: -40–70 °C (-40–158 °F) • Operating Humidity: 10–90% RH non-condensing • Storage Humidity: 5–90% RH non-condensing

[†]Maximum wireless signal rates are the physical rates derived from IEEE Standard 802.11 specifications. Actual wireless data throughput and wireless coverage are not guaranteed and will vary as a result of 1) environmental factors, including building materials, physical objects, and obstacles, 2) network conditions, including local interference, volume and density of traffic, product location, network complexity, and network overhead, and 3) client limitations, including rated performance, location, connection, quality, and client condition.

[‡]Use of WiFi 6 (802.11ax) and its features, including OFDMA, HE160, and 1024-QAM, require clients to support the corresponding features. The 160 MHz bandwidth is only available on the 5 GHz band. It may be unavailable in some regions/countries due to regulatory restrictions. The double channel width refers to 160 MHz compared to 80 MHz for general WiFi 6 APs.

[§]Omada Mesh, Seamless Roaming, Captive Portal, and Cloud Access require the use of Omada SDN controllers. Go to https://www.tp-link.com/en/omada-mesh/product-list/ to find all the models supported by Omada mesh technology to find all the models supported by Omada mesh technology, and refer to the User Guides of Omada SDN controllers for configuration methods.

*Zero-Touch Provisioning and Auto Channel Selection and Power Adjustment require the use of Omada Cloud-Based Controller. Go to https://www.tp-link.com/en/omada-cloud-based-controller/product-list/ to confirm which models are compatible with Omada Cloud-Based Controller.

Sign up for news & offers

Email Address Sign Up

Follow Us

About
Contact Us
About Us
Our Security Commitment
Sustainability
Careers at TP-Link
Cookie Policy
Privacy Policy
Modern Slavery Act
Tax Strategy

Press
News
Awards
Security Advisory
Press Releases
Blog

Where to Buy
Online Stores
Retail
Distributors
VAR Partner

Partners
Partner Programme
Network Site Survey
Technology Library

United Kingdom / English