

Access Point EAP650

EAP650 AX3000 Ceiling Mount WiFi 6 Access Point

- Ultra-Fast WiFi 6 Speeds: Simultaneous 574 Mbps on 2.4 GHz and 2402 Mbps on 5 GHz totals 2976 Mbps WiFi speeds
- High-Efficiency WiFi 6: More connected devices can enjoy faster speeds
- Centralized Cloud Management: Omada SDN integration manages the whole network locally or from the cloud via web UI or Omada app
- 160 MHz Channel: Double the data at peak transmission times on a single stream with HE160
- Seamless Roaming: Video streams and voice calls are unaffected as users move between locations
- Omada Mesh: Enables wireless connectivity between access points for extended range and flexible deployment
- PoE+ Powered: Supports both 802.3at PoE+ and DC (adapter included) power supply for flexible installations
- Ultra-Slim Design: Φ160 mm × 33.6 mm elegant design brings more agility



Detailed

HARDWARE FEATURES	
Interface	1× Gigabit Ethernet (RJ-45) Port (supports IEEE802.3at PoE)
Button	Reset
Power Supply	<ul style="list-style-type: none">802.3at PoE12V DC (Power Adapter included) (EU Version: 12 V / 1.0 A DC. US Version: 12 V / 1.5 A DC) <ul style="list-style-type: none">48V Passive PoE
Power Consumption	<ul style="list-style-type: none">EU: 13.5 WUS: 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 <ul style="list-style-type: none">2.4 GHz: 2× 4 dBi

	<ul style="list-style-type: none">• 5 GHz: 2× 5 dBi
Mounting	<ul style="list-style-type: none">• Ceiling /Wall Mounting (Kits included)• Junction Box Mounting

WIRELESS FEATURES	
Wireless Standards	IEEE 802.11ax/ac/n/g/b/a
Frequency	2.4 GHz and 5 GHz
Signal Rate	<ul style="list-style-type: none">• 5 GHz: Up to 2402 Mbps• 2.4 GHz: Up to 574 Mbps
Wireless Functions	<ul style="list-style-type: none">• 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/Client
Wireless Security	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• CE:• FCC:

MANAGEMENT	
Omada App	Yes
Centralized Management	<ul style="list-style-type: none">• Omada Hardware Controller (OC300)• Omada Hardware Controller (OC200)• Omada Software Controller• Omada Cloud-Based Controller
Cloud Access	Yes. Requiring the use of OC300, OC200, Omada Cloud-Based Controller, 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
Zero-Touch Provisioning	Yes. Requiring the use of Omada Cloud-Based Controller.

OTHERS	
Certification	CE, FCC, RoHS
Package Contents	<ul style="list-style-type: none">• EAP650• Power Adapter• Ceiling/Wall Mounting Kits• Installation Guide
System Requirements	Microsoft Windows XP, Vista, Windows 7, Windows 8, Windows10, Windows 11, Linux
Environment	<ul style="list-style-type: none">• 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