

## 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:  $\Phi 160$  mm  $\times$  33.6 mm elegant design brings more agility



## Detailed

HARDWARE FEATURES	
Interface	1x Gigabit Ethernet (RJ-45) Port (supports IEEE802.3at PoE)
Button	Reset
Power Supply	<ul style="list-style-type: none"> <li>802.3at PoE</li> <li>12V DC (Power Adapter included) (EU Version: 12 V / 1.0 A DC. US Version: 12 V / 1.5 A DC)</li> <li>48V Passive PoE</li> </ul>
Power Consumption	<ul style="list-style-type: none"> <li>EU: 13.5 W</li> <li>US: 14.7 W</li> </ul>
Dimensions ( W x D x H )	6.3 $\times$ 6.3 $\times$ 1.3 in (160 $\times$ 160 $\times$ 33.6 mm)
Antenna Type	Internal Omni <ul style="list-style-type: none"> <li>2.4 GHz: 2x 4 dBi</li> </ul>

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

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"> <li>• 5 GHz: Up to 2402 Mbps</li> <li>• 2.4 GHz: Up to 574 Mbps</li> </ul>
Wireless Functions	<ul style="list-style-type: none"> <li>• 1024-QAM</li> <li>• 4× Longer OFDM Symbol</li> <li>• OFDMA</li> <li>• Multiple SSIDs (Up to 16 SSIDs, 8 for each band)</li> <li>• Enable/Disable Wireless Radio</li> <li>• Automatic Channel Assignment</li> <li>• Transmit Power Control (Adjust Transmit Power on dBm)</li> <li>• QoS(WMM)</li> <li>• MU-MIMO</li> <li>• HE160 (160 MHz Bandwidth)<sup>‡</sup></li> <li>• Seamless Roaming<sup>§</sup></li> <li>• Omada Mesh<sup>§</sup></li> <li>• Band Steering</li> <li>• Load Balance</li> <li>• Airtime Fairness</li> <li>• Beamforming</li> <li>• Rate Limit</li> <li>• Reboot Schedule</li> <li>• Wireless Schedule</li> <li>• Wireless Statistics based on SSID/AP/Client</li> </ul>
Wireless Security	<ul style="list-style-type: none"> <li>• Captive Portal Authentication<sup>§</sup></li> <li>• Access Control</li> <li>• Wireless Mac Address Filtering</li> <li>• Wireless Isolation Between Clients</li> <li>• SSID to VLAN Mapping</li> <li>• Rogue AP Detection</li> <li>• 802.1X Support</li> <li>• WPA-Personal/Enterprise, WPA2-Personal/Enterprise, WPA3-Personal/Enterprise</li> </ul>
Transmission Power	<ul style="list-style-type: none"> <li>• CE:</li> <li>• FCC:</li> </ul>

MANAGEMENT	
Omada App	Yes
Centralized Management	<ul style="list-style-type: none"> <li>• Omada Hardware Controller (OC300)</li> <li>• Omada Hardware Controller (OC200)</li> <li>• Omada Software Controller</li> <li>• Omada Cloud-Based Controller</li> </ul>
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"> <li>• EAP650</li> <li>• Power Adapter</li> <li>• Ceiling/Wall Mounting Kits</li> <li>• Installation Guide</li> </ul>
System Requirements	Microsoft Windows XP, Vista, Windows 7, Windows 8, Windows10, Windows 11, Linux
Environment	<ul style="list-style-type: none"> <li>• Operating Temperature: 0-40 °C (32-104 °F)</li> <li>• Storage Temperature: -40-70 °C (-40-158 °F)</li> <li>• Operating Humidity: 10-90% RH non-condensing</li> <li>• Storage Humidity: 5-90% RH non-condensing</li> </ul>