

AX3000 Ceiling Mount WiFi 6 Access Point

Model:EAP650



Features:



AX3000 WiFi 6 Speed
2402 Mbps on 5 GHz +
574 Mbps on 2.4 GHz†



High-Efficiency WiFi 6
More connected devices can enjoy faster speeds



Centralized Cloud Management
Manage the whole network locally or from the cloud



160 MHz Channel
Double the data at peak transmission times on a single stream with HE160‡



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



Ultra-Slim Design
Ø160 mm × 33.6 mm elegant design brings more agility



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

Specifications:

HARDWARE FEATURES	
Interface	1× Gigabit Ethernet (RJ-45) Port (supports IEEE802.3at PoE)
Button	Reset
Power Supply	• 802.3at PoE • 12 V / 1.0 A DC (EU), 12 V / 1.5 A DC (US)
Power Consumption	• EU: 13.5 W • US: 14.7 W
Dimensions (W × D × 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	
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

	<ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> <20 dBm(2.4 GHz, EIRP) <23 dBm(5 GHz, Band1 & Band2, EIRP) <30 dBm(5 GHz, Band3, EIRP) • FCC: <ul style="list-style-type: none"> <25 dBm (2.4 GHz) <25 dBm (5 GHz)
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 (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-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

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