

EAP650-Outdoor and Indoor

Access Point

High-speed Wi-Fi 6: combined speed on two bands — up to 3 Gbit

High efficiency: OFDMA and MU-MIMO allow you to connect more devices without delays and loss of speed

160 MHz wide channels: twice as much data in a single stream

Large coverage area: powerful amplifier and antennas in an IP67 weatherproof enclosure

Omada Mesh Technology: Provides Wi-Fi connectivity between access points to increase their range and deploy easily

PoE Power: Supports POE+ 802.3 at and Passive PoE (adapter included)

Centralized Cloud Management: Integration with Omada SDN for cloud access and remote management



Detailed

Hardware Specifications	
Interfaces	1 Gigabit RJ45 Ethernet port (with POE 802.3 at and Passive PoE support)
Buttons	Reset (reset settings)
Power supply	* POE 802.3 at • Passive PoE 48V (PoE adapter included)
Power consumption	12.5 W (POE 802.3 at or Passive PoE)
Dimensions (W × L × H)	280.4 × 106.5 × 56.8 mm (excluding antenna and mount)
Antenna	<ul style="list-style-type: none"> • 2.4 GHz: 2 4dBi antennas • 5GHz: 2 5dBi antennas

Protection	IP67
Wi-Fi Settings	
Maximum number of simultaneous Wi-Fi connections	250
Wi-Fi Standards	IEEE 802.11ax/ac/n/g/b/a
Frequency ranges	2.4 GHz and 5GHz
Transfer Rate	<ul style="list-style-type: none"> • 2.4 GHz: 2x2 MIMO • 5GHz: 2x2 MIMO * 802.11 ax: 8 Mbit / s to 2402 Mbit / s (MCS0-MCS11, NSS = 1 to 2 HE20/40/80/160) * 802.11 ac: 6.5 Mbps to 1083.3 Mbps (MCS0-MCS9, NSS = 1 to 2 VHT20/40/80) * 802.11 n: 6.5 Mbps to 300 Mbps (MCS0-MCS15, VHT 20/40) * 802.11 g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps • 802.11 b: 1, 2, 5.5, 11 Mbps * 802.11 a: 6, 9, 12, 18, 24, 36, 48, 54 Mbit / s
EIIM	< 20 dBm or < 100 MW
Wi-Fi Features	<ul style="list-style-type: none"> • 1024-QAM • OFDM symbol 4 times longer • OFDMA • Multiple SSIDs (up to 16 SSIDs, up to 8 per band) * Enable/Turning off Wi-Fi • Automatic channel assignment • Transmission power control (in dBm) • QoS (WMM) • MU-MIMO • Omada Mesh * Seamless roaming • Band Steering • Load Balancing • Airtime Fairness • Beamforming • Speed Limiting • Scheduled reboot • Scheduled Wi-Fi • Wi-Fi statistics (SSID, access point, client)
Wi-Fi network Protection	<ul style="list-style-type: none"> * Authentication Portal • Access control • MAC address filtering • Isolating wireless clients • Matching SSID → VLAN • Detecting fake access points • 802.1 X Support • WPA-Personal/Enterprise, WPA2-Personal/Enterprise, WPA3-Personal/Enterprise Encryption
Management	
The Omada App	Yes
Cloud access	Yes
Email notification	Yes
SNMP	v1, v2c
System Log	Yes
SSH	Yes

Web-based management interface	Yes
Level 3 Management	Yes
Managing different locations	Yes
VLAN Management	Yes
Automatic configuration of parameters	Yes
Other	
Certification process	CE, FCC, RoHS
Scope of delivery	<ul style="list-style-type: none"> • Access Point • Passive PoE Adapter • Power Cable • Installation kit • Installation and Setup Guide
System requirements	Windows: XP, Vista, 7, 8, 10, 11; Linux
Environmental parameters	<ul style="list-style-type: none"> * Operating temperature: -30...+70 °C * Storage temperature: -40...+70 °C • Operating humidity: 10-90% non-condensing • Storage humidity: 5-90% non-condensing