

## Access Point EAP653

### EAP653 AX3000 Ceiling Wi-Fi Access Point

High speed: Up to 574 Mbps on 2.4 GHz and up to 2402 Mbps on 5 GHz, combined Wi-Fi speed up to 2976 Mbps

Wi-Fi 6: More simultaneous connections at high speed

Omada SDN: Centrally manage the entire network locally or via the cloud from the Omada web interface or app

160 MHz channels: twice as much data on one channel

Seamless roaming: Video streaming and voice communication will stay on top even when users move

Omada Mesh: Wireless communication between access points over a long distance for convenient placement

PoE+ Support: Support PoE (802.3 at) for easy deployment and installation, as well as the ability to power from an outlet (adapter is purchased separately).

Slim body: 160 × 33.6 mm



## Detailed

Hardware Specifications	
Interfaces	Gigabit Ethernet RJ-45 port with PoE IEEE802.3at support
Buttons	Reset (reset settings)
Power supply	<ul style="list-style-type: none"> <li>* POE 802.3 at</li> <li>• DC12V / 1A</li> <li>• Passive PoE 48V</li> </ul> <p>The power adapter is not included in the package — it must be purchased separately.</p>
Power consumption	13.07 W

Dimensions (W × L × H)	160 × 160 × 33.6 mm
Type and / or number of antennas	Built-in Omni-directional: • 2.4 GHz: 4 dBi (2 pcs) • 5GHz: 5 dBi (2 pcs)
Placement	* Ceiling/wall mounting (mounting kit included) • Installation in the junction box
<b>Wi-Fi Settings</b>	
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	2.4 GHz: 2x2 MIMO, up to 574 Mbps 5 GHz: 2x2 MIMO, up to 2402 Mbp
Wi-Fi Features	<ul style="list-style-type: none"> <li>• 1024-QAM</li> <li>• OFDM symbol 4 times longer</li> <li>• OFDMA</li> <li>• Multiple SSIDs (up to 16 SSIDs, 8 for each frequency)</li> <li>• Enabling / disabling wireless broadcasting</li> <li>• Automatic channel assignment</li> <li>• Transmission power control (in dBm)</li> <li>• QoS (WMM)</li> <li>• MU-MIMO</li> <li>• HE160</li> <li>* Seamless roaming</li> <li>• Omada Mesh</li> <li>• Band Steering</li> <li>• Load Balancing</li> <li>• Airtime Fairness</li> <li>• Beamforming</li> <li>• Speed Limiting</li> <li>• Scheduled reboot</li> <li>• Scheduled Wi-Fi</li> <li>• Wi-Fi statistics for SSID / Access point / Client</li> </ul>
Wi-Fi network Protection	<ul style="list-style-type: none"> <li>* Authentication Portal</li> <li>• Access control</li> <li>• MAC address filtering</li> <li>• Isolating wireless clients</li> <li>• Matching SSID - &gt; VLAN</li> <li>• Detecting unauthorized access points</li> <li>• 802.1 X Support</li> <li>• WPA-Personal/Enterprise, WPA2-Personal/Enterprise, WPA3-Personal/Enterprise Encryption</li> </ul>
Transmitter power	< 20 dBm or < 100 MW
<b>Management</b>	
The Omada App	Yes
Cloud access	Yes
Email notification	Yes
Managing indicators	Yes
SNMP	v1, v2c, v3
System Log	Local / Remote system Log

SSH	Yes
Web-based management interface	HTTP/HTTPS
Level 3 Management	Yes
Managing different locations	Yes
VLAN Management	Yes
Automatic configuration of parameters	Yes
<b>Other</b>	
Certification process	CE, FCC, RoHS
Scope of delivery	<ul style="list-style-type: none"> <li>• Access point</li> <li>• Ceiling or wall mount kit</li> <li>• Installation guide</li> </ul> <p>The power adapter is not included in the package — it must be purchased separately</p>
System requirements	Microsoft Windows XP, Vista, Windows 7, Windows 8, Windows 10, Linux
Environmental parameters	<ul style="list-style-type: none"> <li>• Operating temperature: 0...+40 °C</li> <li>• Storage temperature: -40...+70 °C</li> <li>• Operating humidity: 10-90 % non-condensing</li> <li>• Storage humidity: 5-90 % non-condensing</li> </ul>