

Access Point EAP683

EAP683 AX6000 Ceiling Mount WiFi 6 Access Point

- Up to 5952 Mbps WiFi 6 Speeds: 1148 Mbps on 2.4 GHz + 4804 Mbps on 5 GHz
- Ultra-range wireless coverage by 4×4 MIMO dual-band internal antennas with high transmission power
- Supports WiFi 6 technologies, such as HE160, 1024-QAM, etc
- Integrates with the Omada SDN platform for centralized management
- Advanced Features: Omada Mesh, Seamless Roaming, and more
- PoE+ Powered: Supports both 802.3at PoE+ and DC (adapter not included)



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HARDWARE FEATURES	
Interface	1× 2.5 Gigabit PoE+ Port
Button	Reset
Power Supply	<div>• 802.3at PoE</div> <div>• 12 V / 2 A DC</div> <div>Note□Power adapter is not included.</div>
Power Consumption	<div>• EU: 20.43W</div> <div>• US: 23.69W</div>
Dimensions (W x D x H)	8.7 × 8.7 × 1.3 in (220 × 220 × 32.5 mm)

Antenna Type	Internal Omni <ul style="list-style-type: none">• 2.4 GHz: 4× 4 dBi• 5 GHz: 4× 5 dBi
Bluetooth	V5.2
Mounting	Ceiling /Wall Mounting (Kits included)

WIRELESS FEATURES	
Coverage	185㎡(2000ft²)***
Concurrent Clients	510+**
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 4804 Mbps• 2.4 GHz: Up to 1148 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 (4*4 MU-MIMO DL&UL)• MIMO [4*4 (2.4G and 5G) MU-MIMO; 4*4 (2.4G and 5G) SU-MIMO]• HE160 (160 MHz Bandwidth)†• Seamless Roaming(802.11k/v/r) §• 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. Require 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. Require the use of Omada Cloud-Based Controller.

OTHERS	
Certification	CE,FCC,RoHS
Package Contents	<ul style="list-style-type: none">• EAP683 UR• Ceiling/Wall Mounting Kits• Installation Guide
System Requirements	Microsoft Windows XP, Vista, Windows 7, Windows 8, Windows10, Windows11, 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