

# EAP Product Features

## Easy-Mount Design

The Ceiling Mount EAP's elegant appearance and easy-mount design promote fast installation on any wall or ceiling surface, and allow it to blend in seamlessly with most interior decorating styles. The slimline, inconspicuous Wall Plate EAP can be easily installed into any standard EU/US wall junction box or 86 mm wall junction box.

## PoE Power Supply\*

With IEEE 802.3af/at/bt PoE or Passive PoE, you can use Ethernet cables to transfer both electrical power and network data, making deployment more flexible and removing the need to install additional power cabling.

## Business-Class Hardware Design

Enterprise-class chipsets offer outstanding performance and support longer running time, higher client capacity and greater range. Dedicated high-power amplifiers, specialized antennas and professionally designed RF shields ensure excellent wireless performance.

## Seamless Roaming\*

802.11k and 802.11v seamless roaming provide seamless switching to the access point with optimal signal when moving between APs.

## Mesh\*

Omada Mesh technology enables wireless connectivity between access points for extended range, making wireless deployments more flexible and convenient.

## Increased Efficiency with OFDMA\*

The Wi-Fi 6 and above standards use OFDMA for more efficient channel use and reduced latency. Imagine your WiFi connection as a series of delivery trucks delivering data packets to your devices. With 802.11ac Wi-Fi, each delivery truck could only deliver one parcel to one device at a time. But with OFDMA, each truck can deliver multiple parcels to multiple devices simultaneously. This vast improvement in efficiency works for both uploads and downloads.

## Advanced RF Management

MU-MIMO, Airtime Fairness, Beamforming, and Band Steering Technologies guarantee optimal RF performance for business-level applications.

## Easy Centralized Management

Configure and monitor hundreds of Omada EAPs with ease using the Omada controller.

\* PoE support varies by model. For detailed information, refer to the specifications.

\* Only certain devices support Seamless Roaming. For detailed information, refer to the specifications.




\* Only certain devices support Mesh. For detailed information, refer to the specifications.

\* Only 802.11ax and 802.11be devices support OFDMA.





## Ceiling Mount 802.11n/ac AP

Picture						
Model	EAP265 HD	EAP245	EAP225	EAP223	EAP115	EAP110
Product	AC1750 Wireless MU-MIMO Gigabit Ceiling Mount Access Point	AC1750 Wireless MU-MIMO Gigabit Ceiling Mount Access Point	AC1350 Wireless MU-MIMO Gigabit Ceiling Mount Access Point	AC1350 Wireless MU-MIMO Gigabit Ceiling Mount Access Point	300Mbps Wireless N Ceiling Mount Access Point	300Mbps Wireless N Ceiling Mount Access Point
Speed	2.4 GHz: 450Mbps 5 GHz: 1300Mbps	2.4 GHz: 450Mbps 5 GHz: 1300Mbps	2.4 GHz: 450Mbps 5 GHz: 867Mbps	2.4 GHz: 450Mbps 5 GHz: 867Mbps	2.4 GHz: 300Mbps	2.4 GHz: 300Mbps
Ethernet Port	2x Gigabit Ethernet Port	2x Gigabit Ethernet Port	1x Gigabit Ethernet Port	1x Gigabit Ethernet Port	1x 10/100Mbps Ethernet Port	1x 10/100Mbps Ethernet Port
Power Supply	802.3af PoE / 48 V Passive PoE	802.3af PoE / 48 V Passive PoE	V5: 802.3af/at PoE/48 V Passive PoE V4: 802.3af PoE /24V Passive PoE	V2: 802.3af PoE /24V Passive PoE PoE Adapter Is Not Included V1: 802.3af/at PoE/48 V Passive PoE PoE Adapter Is Not Included	802.3af PoE / External 9 V/0.6 A DC power supply	24V Passive PoE
Internal Antennas	2.4 GHz: 3x 3.5 dBi 5 GHz: 3x 4 dBi	2.4 GHz: 3x 3.5 dBi 5 GHz: 3x 4 dBi	2.4 GHz: 3x 4 dBi 5 GHz: 2x 5 dBi	2.4 GHz: 3x 4 dBi 5 GHz: 2x 5 dBi	2x 4 dBi	2x 4 dBi






## Wall Plate 802.11ax AP

Picture			
Model	EAP655-Wall	EAP650-Wall	EAP615-Wall
Product	AX3000 Wall Plate Wi-Fi 6 Access Point	AX3000 Wall Plate Wi-Fi 6 Access Point	AX1800 Wall Plate Wi-Fi 6 Access Point
Speed	2.4 GHz: 574 Mbps 5 GHz: 2402 Mbps	2.4 GHz: 574 Mbps 5 GHz: 2402 Mbps	2.4 GHz: 574 Mbps 5 GHz: 1201 Mbps
Ethernet Port	4x Gigabit Ethernet Port	2x Gigabit Ethernet Port	4x Gigabit Ethernet Port
Power Supply	802.3af/at PoE	802.3afPoE	802.3af/at PoE
Internal Antennas	2.4 GHz: 2x 3 dBi 5 GHz: 2x 5 dBi	2.4 GHz: 2x 3 dBi 5 GHz: 2x 5 dBi	2.4 GHz: 2x 4 dBi 5 GHz: 2x 4 dBi

## Wall Plate 802.11n/ac AP

Picture				
Model	EAP235-Wall	EAP230-Wall	EAP225-Wall	EAP115-Wall
Product	Omada AC1200 Wireless MU-MIMO Gigabit Wall Plate Access Point	Omada AC1200 Wireless MU-MIMO Gigabit Wall-Plate Access Point	Omada AC1200 Wireless MU-MIMO Wall-Plate Access Point	300Mbps Wireless N Wall-Plate Access Point
Speed	2.4 GHz: 300 Mbps 5 GHz: 867 Mbps	2.4 GHz: 300 Mbps 5 GHz: 867 Mbps	2.4 GHz: 300 Mbps 5 GHz: 867 Mbps	2.4 GHz: 300 Mbps
Ethernet Port	4x Gigabit Ethernet Port	2x Gigabit Ethernet Port	4x 10/100Mbps Ethernet Port	2x 10/100Mbps Ethernet Port
Power Supply	802.3af/at PoE	802.3af PoE	802.3af/at PoE	802.3af PoE
Internal Antennas	2.4 GHz: 2x 4 dBi 5 GHz: 2x 4 dBi	2.4 GHz: 2x 4 dBi 5 GHz: 2x 3.6 dBi	2.4 GHz: 2x 3 dBi 5 GHz: 2x 4 dBi	2x 1.8 dBi

## Outdoor 802.11n/ac/ax AP

Picture					
Model	EAP650-Outdoor	EAP610-Outdoor	EAP225-Outdoor	EAP113-Outdoor	EAP110-Outdoor
Product	AX3000 Indoor/Outdoor Wi-Fi 6 Access Point	AX1800 Indoor/Outdoor Wi-Fi 6 Access Point	AC1200 Wireless MU-MIMO Gigabit Indoor/Outdoor Access Point	300Mbps Wireless N Outdoor Access Point	300Mbps Wireless N Outdoor Access Point
Speed	2.4 GHz: 574 Mbps 5 GHz: 2402 Mbps	2.4 GHz: 574 Mbps 5 GHz: 1201 Mbps	2.4 GHz: 300Mbps 5 GHz: 867Mbps	2.4 GHz: 300Mbps	2.4 GHz: 300Mbps
Ethernet Port	1x Gigabit Ethernet Port	1x Gigabit Ethernet Port	1x Gigabit Ethernet Port	1x 10/100Mbps Ethernet Port	1x 10/100Mbps Ethernet Port
Power Supply	802.3at PoE / 48V Passive PoE	802.3at PoE / 48V Passive PoE	802.3af PoE / 24V Passive PoE	802.3af PoE / 48V Passive PoE	24V Passive PoE
Internal Antennas	2 Internal Dual-Band Omni Antennas 2.4 GHz: 4 dBi; 5 GHz: 5 dBi	2 Internal Dual-Band Omni Antennas 2.4 GHz: 4 dBi; 5 GHz: 5 dBi	2 Dual-Band Omni Antennas (External Detachable) 2.4 GHz: 3 dBi; 5 GHz: 4 dBi	2 Omni Antennas (External Detachable) 2.4 GHz: 3 dBi	2 Omni Antennas (External Detachable) 2.4 GHz: 3 dBi

# Ceiling Mount 802.11ax Wi-Fi 6 AP

Model		EAP670	EAP660 HD	EAP653	EAP650	EAP620 HD	EAP613	EAP610	
Security	Captive Portal Authentication	•							
	Access Control	•							
	Maximum number of MAC Filter	4000							
	Wireless Isolation between Clients	•							
	VLAN	•							
	Rogue AP Detection	•							
	Wireless Encryption	WPA-Personal/Enterprise, WPA2-Personal/Enterprise, WPA3-Personal/Enterprise							
	802.1X Support	•							
Wireless Function	Multiple SSIDs	16 (8 on each band)							
	Enable/Disable Wireless Radio	•							
	Enable/Disable SSID Broadcast	•							
	Guest Network	•							
	Automatic Channel Assignment	•							
	Transmit Power Control	Adjust transmit Power on dBm							
	QoS (WMM)	•							
	Seamless Roaming	•							
	Mesh	•							
	Beamforming	•							
	MU-MIMO	•							
	Rate Limit	Based on SSID/Client							
	Load Balance	•							
	Airtime Fairness	•							
	Band Steering	•							
	RADIUS Accounting	•							
	MAC Authentication	•							
	Reboot Schedule	•							
	Wireless Schedule	•							
	Wireless Statistics	•							
Static IP/Dynamic IP	•								
Support Data Rates	802.11ax	8 Mbps to 4804 Mbps (MCS0-MCS11, NSS = 1 to 4 HE20/40/80/160)	8 Mbps to 2402 Mbps (MCS0-MCS11, NSS = 1 to 4 HE20/40/80)	8 Mbps to 2402 Mbps (MCS0-MCS11, NSS = 1 to 2 HE20/40/80/160)	8 Mbps to 2402 Mbps (MCS0-MCS11, NSS = 1 to 2 HE20/40/80/160)	8 Mbps to 1201 Mbps (MCS0-MCS11, NSS = 1 to 2 HE20/40/80)	8 Mbps to 1201 Mbps (MCS0-MCS11, NSS = 1 to 2 HE20/40/80)	8 Mbps to 1201 Mbps (MCS0-MCS11, NSS = 1 to 2 HE20/40/80)	
	802.11ac	6.5 Mbps to 4333.3 Mbps (MCS0-MCS11, NSS = 1 to 4 VHT20/40/80/160)	6.5 Mbps to 2166.7 Mbps (MCS0-MCS11, NSS = 1 to 4 VHT20/40/80)	6.5 Mbps to 2166.7 Mbps (MCS0-MCS11, NSS = 1 to 2 VHT20/40/80/160)	6.5 Mbps to 2166.7 Mbps (MCS0-MCS11, NSS = 1 to 2 VHT20/40/80/160)	6.5 Mbps to 1083.3 Mbps (MCS0-MCS11, NSS = 1 to 2 VHT20/40/80)	6.5 Mbps to 1083.3 Mbps (MCS0-MCS11, NSS = 1 to 2 VHT20/40/80)	6.5 Mbps to 1083.3 Mbps (MCS0-MCS11, NSS = 1 to 2 VHT20/40/80)	
	802.11n	6.5 Mbps to 600 Mbps (MCS0-MCS31, HT20/40)	6.5 Mbps to 600 Mbps (MCS0-MCS31, HT20/40)	6.5 Mbps to 300 Mbps (MCS0-MCS15, HT20/40)	6.5 Mbps to 300 Mbps (MCS0-MCS15, HT20/40)	6.5 Mbps to 300 Mbps (MCS0-MCS15, HT20/40)	6.5 Mbps to 300 Mbps (MCS0-MCS15, HT20/40)	6.5 Mbps to 300 Mbps (MCS0-MCS15, HT20/40)	6.5 Mbps to 300 Mbps (MCS0-MCS15, HT20/40)
	802.11g	6, 9, 12, 18, 24, 36, 48, 54 Mbps							
	802.11b	1, 2, 5.5, 11 Mbps							
	802.11a	6, 9, 12, 18, 24, 36, 48, 54 Mbps							

# Ceiling Mount 802.11ax Wi-Fi 6 AP

Model		EAP670	EAP660 HD	EAP653	EAP650	EAP620 HD	EAP613	EAP610
Management	LED ON/OFF Control	•						
	Management MAC Access Control	•						
	Web-based Management	•						
	SNMP	v1, v2c, v3						
	SSH	•						
	Restore & Backup	•						
	Firmware update via Web	•						
	NTP	•						
	System Log	•						
	Email Alerts	•						
Physical & Environment	Power Supply	802.3at PoE or 12V/1.5A DC	802.3at PoE or 12V/2A DC	<b>V2:</b> 48V Passive PoE or 802.3at PoE or 12V/1.2A DC PoE Adapter Is Not Included <b>V1:</b> EU: 48V Passive PoE or 802.3at PoE or 12V/1A DC US: 48V Passive PoE or 802.3at PoE or 12V/1.5A DC PoE Adapter Is Not Included	<b>V2:</b> 48V Passive PoE or 802.3at PoE or 12V/1.2A DC <b>V1:</b> EU: 48V Passive PoE or 802.3at PoE or 12V/1A DC US: 48V Passive PoE or 802.3at PoE or 12V/1.5A DC	V2: 48V Passive PoE or 802.3at PoE or 12V/1A DC V3: 48V Passive PoE or 802.3at PoE or 12V/1.5A DC	48V Passive PoE or 802.3at PoE or 12V/1A DC PoE Adapter Is Not Included	V1 & V3: 48V Passive PoE or 802.3at PoE or 12V/1A DC V2: 48V Passive PoE or 802.3at PoE or 12V/1.5A DC
	Maximum Power Consumption	EU: 18.5 W (For PoE); 15 W (for DC) US: 19.8 W (For PoE); 17.8 W (for DC)	EU: 18.5 W (For PoE); 15 W (for DC) US: 22.5 W (For PoE); 18 W (for DC)	<b>V2:</b> EU: 13.3 W (For PoE); 11.8 W (for DC) US: 14.7 W (For PoE); 12.6 W (for DC) <b>V1:</b> EU: 13.07 W (For PoE); 11.76 W (for DC) US: 13.98 W (For PoE); 12.58 W (for DC)	<b>V2:</b> EU: 13.3 W (For PoE); 11.8 W (for DC) US: 14.7 W (For PoE); 12.6 W (for DC) <b>V1:</b> EU: 13.5 W (For PoE); 12.0 W (for DC) US: 14.7 W (For PoE); 13.25 W (for DC)	<b>V2:</b> EU: 12.8 W (For PoE); 10.8 W (for DC) US: 13.9 W (For PoE); 11.8 W (for DC) <b>V3:</b> EU: 14.4 W (For PoE); 13.1 W (for DC) US: 14.9 W (For PoE); 13.4 W (for DC)	EU: 10.6W (For PoE); 9.6W (for DC) US: 10.9W (For PoE); 9.8W (for DC)	<b>V1:</b> EU: 12.8 W (For PoE); 10.8 W (for DC) US: 13.9 W (For PoE); 11.8 W (for DC) <b>V2:</b> EU: 13.7 W (For PoE); 12.3 W (for DC) US: 14.2 W (For PoE); 12.8 W (for DC) <b>V3:</b> EU: 10.6W (For PoE); 9.6W (for DC) US: 10.9W (For PoE); 9.8W (for DC)
	Reset	•						
Mounting	Ceiling / Wall mouting (Kits included)			Ceiling / Wall mouting (Kits included) / Junction Box mouting				