



EAP655-Wall

EAP Product List

Wall Plate 802.11ax AP				
Picture				
Model	EAP655-Wall			
Product	AX3000 Wall Plate Wi-Fi 6 Access Point			
Speed	2.4 GHz: 574 Mbps			
	5 GHz: 2402 Mbps			
Ethernet Port	4x Gigabit Ethernet Port			
Power Supply	802.3af/at PoE			
Internal Antennas	2.4 GHz: 2x 3 dBi			
	5 GHz: 2x 5 dBi			

Specifications

Wall Plate 802.11ax AP							
Model		EAP655-Wall					
Name		AX3000 Wall Plate Wi-Fi 6 Access Point					
	LAN Interfaces	4x Gigabit Ethernet Port					
	Wi-Fi Standards	IEEE 802.11 a/b/g/n/ac/ax					
	Maximum Data Rate	574 Mbps (2.4 GHz) + 2402 Mbps (5 GHz)					
	Wireless Client Capacity	100+					
Main Design	Antannaa	2.4 GHz: 2x 3 dBi					
	Antennas	5 GHz: 2x 5 dBi					
	Transmit Power	CE: < 20 dBm(2.4GHz, EIRP); <23dBm (5 GHz,band1&band 2,EIRP); < 27 dBm (5 GHz,band 3, EIRP); FCC: < 22 dBm (2.4 GHz); < 22 dBm (5 GHz)					
	Omada Software Controller	•					
Centralized Management	Omada Hardware Controller	•					
	Omada APP	•					
	Captive Portal Authentication	•					
	Access Control	•					
	Maximum number of MAC Filter	4000					
Security	Wireless Isolation between Clients	•					
	VLAN	•					
	Rogue AP Detection	•					
	Wireless Encryption	WPA-Personal/Enterprise, WPA2-Personal/Enterprise, WPA3-Personal/Enterprise					
	802.1X Support	Total district priod, WT / 2 + order all Enterprise, WT / 6 + order all Enterprise					
	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	-					
Wireless Function	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	•					
	802.11ax	8 Mbps to 2402 Mbps (MCS0-MCS11, NSS = 1 to 2 HE20/40/80/160)					
	802.11ac	6.5 Mbps to 2166.7 Mbps (MCS0-MCS9, NSS = 1 to 2 VHT20/40/80/160)					
Cupport Data Data	802.11n	6.5 Mbps to 500 Mbps (MCS0-MCS15, 1024QAM, HT20/40)					
Support Data Rates	802.11g	6, 9, 12, 18, 24, 36, 48 ,54 Mbps					
	802.11b	1, 2, 5.5, 11 Mbps					
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Wall Plate 802.11ax AP						
Model		EAP655-Wall				
	LED ON/OFF Control	•				
	Management MAC Access Control	•				
	Web-based Management	•				
	SNMP	v1, v2c, v3				
Management	SSH	•				
	Restore & Backup	•				
	Firmware update via Web	•				
	NTP	•				
	System Log	•				
	Email Alerts	•				
	Power Supply	802.3af/at PoE				
	Maximum Power	EU: 12W (802.3at PoE)				
Physical & Environment	Consumption	US: 12.6W (802.3at PoE)				
	Reset	•				
	Mounting	Wall mouting (Kits included)				
	Certifications	FCC, RoHS				
	Dimensions (W x D x H)	143 x 86 x 42.6 mm				
Others	Environment	Operating Temperature: 0 °C–40 °C (32 °F–104 °F);				
Ctiois		Storage Temperature: -40 °C-70 °C (-40 °F-158 °F);				
		Operating Humidity: 10%–90% non-condensing;				
		Storage Humidity: 5%–90% non-condensing;				



Antenna Radiation Patterns

Wall Plate AP								
EAP655-Wall								
	Elevation-0°	Elevation-90°	Azimuth	Mapped 3D				
2.45 GHz								
5.25 GHz			Tool tool tool tool tool tool tool tool					
5.5 GHz			The state of the s					
5.75 GHz								

Disclaimers

Wireless Speed and Range Disclaimer

Maximum wireless transmission rates are the physical rates derived from IEEE Standard 802.11 specifications. Range and coverage specifications were defined according to test results under normal usage conditions. Actual wireless transmission rate and wireless coverageare not guaranteed, and will vary as a result of 1) environmental factors, including building materials, physical objects and obstacles, 2) network conditions, including local interference, volume and density of traffic, product location, network complexity, and network overhead and 3) client limitations, including rated performance, location, connection quality, and client condition.

Wireless Client Capacity Disclaimer

Wireless client capacity specifications were defined according to test results under normal usage conditions. Actual wireless client capacity is not guaranteed, and will vary as a result of 1) environmental factors, including building materials, physical objects and obstacles, 2) network conditions, including local interference, volume and density of traffic, product location, network complexity, and network overhead and 3) client limitations, including rated performance, location, connection quality, and client condition.

Ethernet Port Limitation Disclaimer

Actual network speed may be limited by the rate of the product's Ethernet WAN or LAN port, the rate supported by the network cable, Internet service provider factors and other environmental conditions.

MU-MIMO Disclaimer

(Only for certain devices)

MU-MIMO capability requires client devices that also support MU-MIMO.

Seamless Roaming Disclaimer

(Only for certain devices)

Seamless roaming requires both the access point and client devices to support 802.11k and 802.11v protocols.

Lightning and Electro-Static Discharge Protection Disclaimer

(Only for outdoor devices)

Protection against lightning and electro-static discharge may be achieved through proper product setup, grounding and cable shielding. Refer to the instruction manual and consult an IT professional to assist with setting up this product.

PoE Disclaimer

PoE budget calculations are based on laboratory testing. Actual PoE power budget is not guaranteed and will vary as a result of client limitations and environmental factors.

Some models featured in this guide may be unavailable in your country or region. Visit TP-Link website for local sales information: www.tp-link.com. Specifications are subject to change without notice.

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