





## EAP Product List

Ceiling Mount 802.11ax Wi-Fi 6 AP				
Picture				
Model	EAP650			
Product	AX3000 Ceiling Mount Dual-Band Wi-Fi 6 Access Point			
Coood	2.4 GHz: 574 Mbps			
Speed	5 GHz: 2402 Mbps			
Ethernet Port	1x Gigabit Ethernet Port			
	V2:			
	48V Passive PoE or 802.3at PoE or 12V/1.2A DC			
Power Supply	V1:			
	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:			
	2.4 GHz: 2x 3 dBi			
Internal Antennas	5 GHz: 3× 5 dBi (one auxiliary antenna included)			
Internal Anternas	V1:			
	2.4 GHz: 2x 4 dBi			
	5 GHz: 2x 5 dBi			

# Specifications

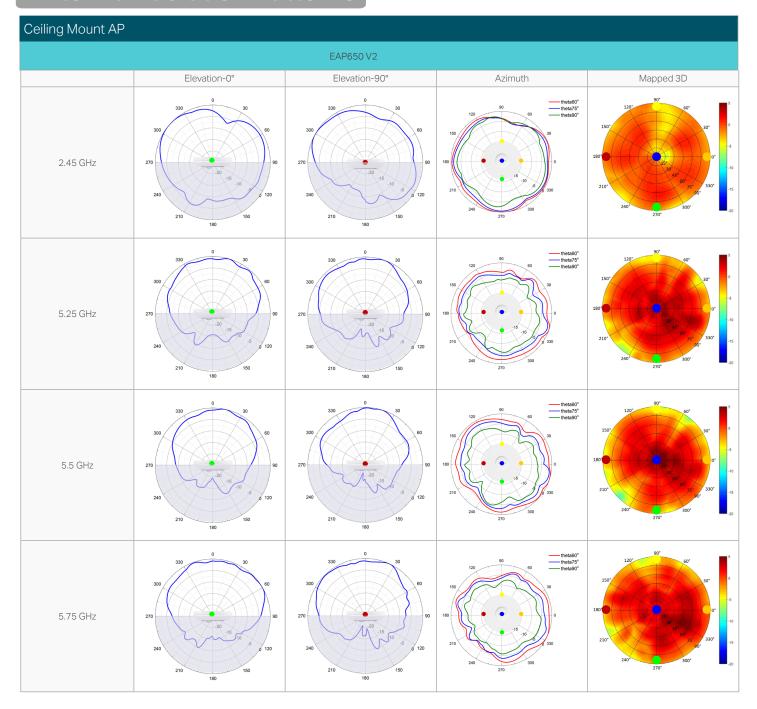
Ceiling Mount 802.11ax Wi-Fi 6 AP					
Model		EAP650			
Name		AX3000 Ceiling Mount Dual-Band Wi-Fi 6 Access Point			
	LAN Interfaces	1x Gigabit Ethernet Port			
	Wi-Fi Standards	IEEE 802.11 a/b/g/n/ac/ax			
	Maximum Data Rate	574 Mbps (2.4 GHz)			
		+2402 Mbps (5 GHz)			
	Wireless Client Capacity	250+			
		V2:			
		2.4 GHz: 2x 3 dBi			
	Antennas	5 GHz: 3× 5 dBi (one auxiliary antenna included)			
Main Design	7 titerinas	V1:			
		2.4 GHz: 2x 4 dBi			
		5 GHz: 2x 5 dBi			
		V2:			
		CE: < 20 dBm(2.4 GHz, EIRP); <23 dBm (5 GHz,band 1&band 2,EIRP); < 27 dBm(5 GHz, band 3,EIRP);			
	Transmit Power	FCC: < 24 dBm(2.4 GHz); < 25dBm (5 GHz)			
	Iransmit Power	V1:			
		CE: < 20 dBm (2.4 GHz, EIRP); < 23 dBm (5 GHz, band 1&band 2, EIRP); < 30 dBm (5 GHz, band 3, EIRP);			
		FCC: < 25 dBm (2.4 GHz); < 25 dBm (5 GHz)			
	Omada Software				
Centralized Management	Controller				
	Omada Hardware				
	Controller				
	Omada APP	•			
Security	Captive Portal				
	Authentication				
	Access Control	•			
	Maximum number of MAC	4000			
	Filter	4000			
	Wireless Isolation				
	between Clients				
	VLAN	•			
	Rogue AP Detection	•			
	Wireless Encryption	WPA-Personal/Enterprise, WPA2-Personal/Enterprise, WPA3-Personal/Enterprise			
	802.1X Support	•			

Ceiling Mount 802.11ax Wi-Fi 6 AP						
Model		EAP650				
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	• Dased on SSID/Cilent				
	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 2402 Mbps (MCS0-MCS11, NSS = 1 to 2 HE20/40/80/160)				
	802.11ac	6.5 Mbps to 2166.7 Mbps (MCS0-MCS11, NSS = 1 to 2 VHT20/40/80/160)				
	802.11n	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				
	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	•				

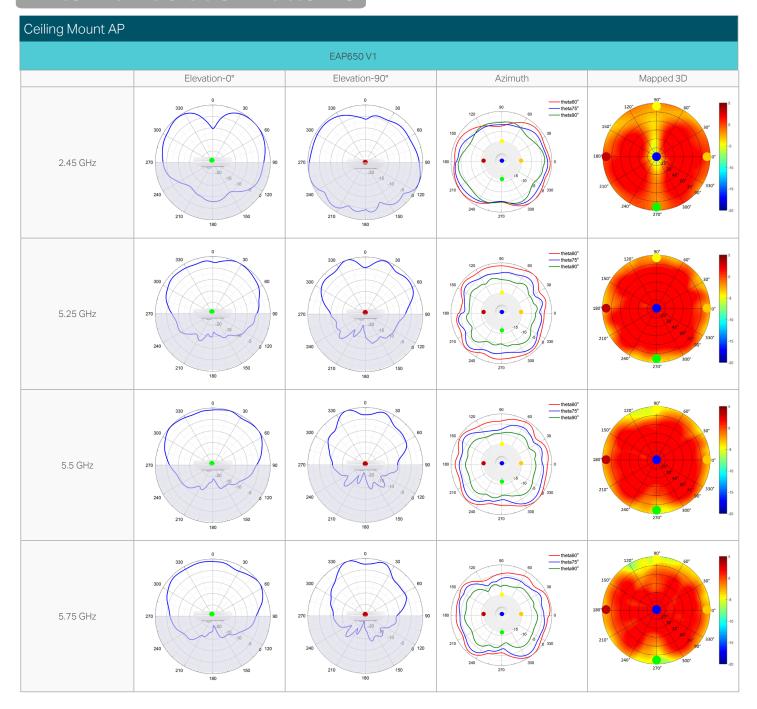


Ceiling Mount 802.11ax Wi-Fi 6 AP					
Model		EAP650			
		V2: 48V Passive PoE or 802.3at PoE or 12V/1.2A DC			
Physical & Environment	Power Supply	V1: EU: 48V Passive PoE or 802.3at PoE or 12V/1A DC US: 48V Passive PoE or 802.3at PoE or 12V/1.5A DC			
		V2: EU: 13.3 W (For PoE); 11.8 W (for DC)			
	Maximum Power Consumption	US: 14.7 W (For PoE); 12.6 W (for DC)  V1:  EU: 13.5 W (For PoE); 12.0 W (for DC)			
	Reset	US: 14.7 W (For PoE); 13.25 W (for DC)  •			
	Mounting	Ceiling / Wall mouting (Kits included) / Junction Box mouting			
	Certifications	CE, FCC, RoHS, IC			
	Dimensions (W x D x H)	160 x 160 x 33.6 mm			
	Environment	Operating Temperature: 0 °C–40 °C (32 °F–104 °F); 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



### Antenna Radiation Patterns



### **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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