





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			
C	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			
Internal Antennas	2.4 GHz: 2x 3.13dBi			
	5 GHz: 2x 4.58dBi			

Specifications

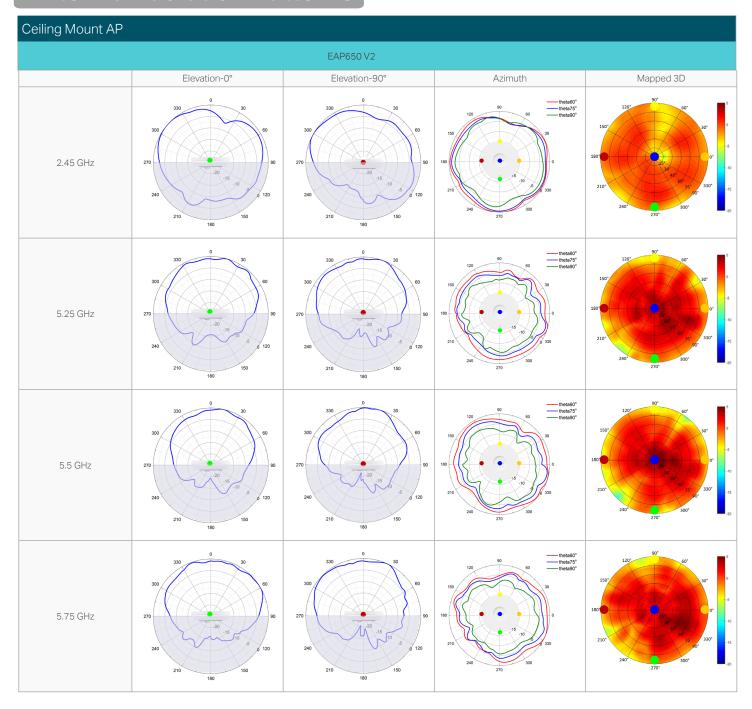
Ceiling Mount 802.11ax Wi-Fi			
		EAP650	
Name		AX3000 Ceiling Mount Dual-Band Wi-Fi 6 Access Point	
	LAN Interfaces	1x Gigabit Ethernet Port	
	Wi-Fi Standards	IEEE 802.11 a/b/g/n/ac/ax	
	Maximum Data Rate	574 Mbps (2.4 GHz)	
	Waxiinum Data Nate	+2402 Mbps (5 GHz)	
	Wireless Client Capacity	256	
	Antennas	2.4 GHz: 2x 3.13dBi	
		5 GHz: 2x 4.58dBi	
		V2:	
Main Design		CE: < 20 dBm(2.4 GHz, EIRP); <23 dBm (5 GHz,band 1&band 2,EIRP); < 27 dBm(5 GHz, band 3,EIRP);	
		FCC: < 24 dBm(2.4 GHz); < 25dBm (5 GHz)	
	Transmit 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	Controller		
Management	Omada Hardware	•	
Management	Controller		
	Omada APP	•	
	Captive Portal	•	
	Authentication		
Security	Access Control	•	
	Maximum number of MAC	4000	
	Filter		
	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	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					
Function	Beamforming MU-MIMO	•				
	Rate Limit	Based on SSID/Client				
	Load Balance	Based off SSID/Cliefft				
	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	•				

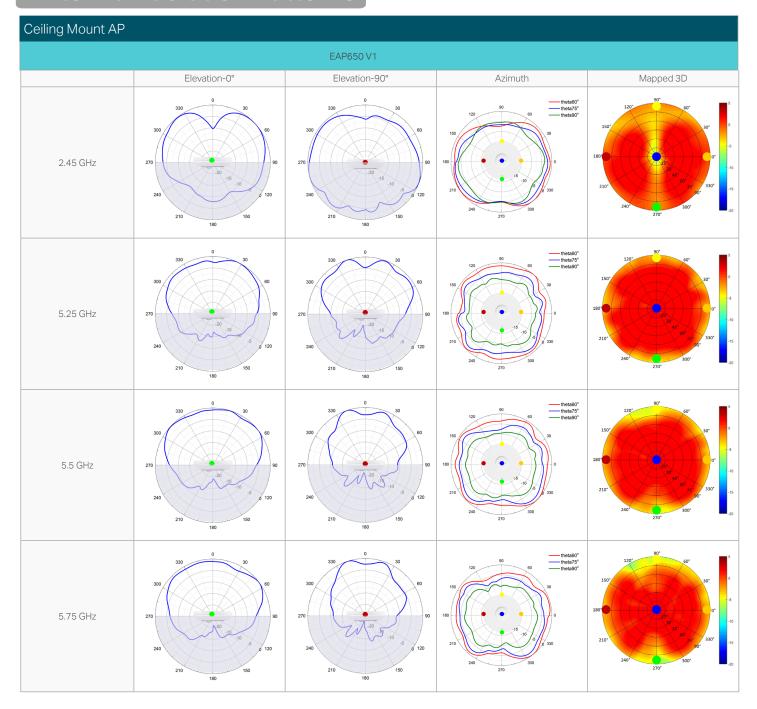


Ceiling Mount 802.11ax Wi-Fi 6 AP					
Model		EAP650			
		V2: 48V Passive PoE or 802.3at PoE or 12V/1.2A DC			
	Power Supply	V1: EU: 48V Passive PoE or 802.3at PoE or 12V/1A DC			
		US: 48V Passive PoE or 802.3at PoE or 12V/1.5A DC			
		V2: EU: 13.3 W (For PoE); 11.8 W (for DC)			
Physical & Environment	Maximum Power Consumption	US: 14.7 W (For PoE); 12.6 W (for DC)			
Environment	Consumption	EU: 13.5 W (For PoE); 12.0 W (for DC) US: 14.7 W (For PoE); 13.25 W (for DC)			
	Reset	•			
	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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