





EAP Product List

Ceiling Mount 802.11ax Wi-Fi 6E AP			
Picture			
Model	EAP690E HD		
Product	AXE11000 Ceiling Mount Quad-Band Wi-Fi 6E Access Point		
Speed	2.4 GHz: 1148 Mbps, 5 GHz-1: 2402 Mbps, 5 GHz-2: 2402 Mbps, 6 GHz: 4804 Mbps		
Ethernet Port	1x 10Gbps Ethernet Port		
Power Supply	802.3bt PoE or 12V/4.5A DC		
Internal Antennas	2.4 GHz: 4 × 4.0 dBi, 5 GHz-1: 4 × 5.0 dBi (Smart Antennas), 5 GHz-2: 4 × 5.5 dBi (Smart Antennas), 6 GHz: 4 × 5.0 dBi		

Specifications

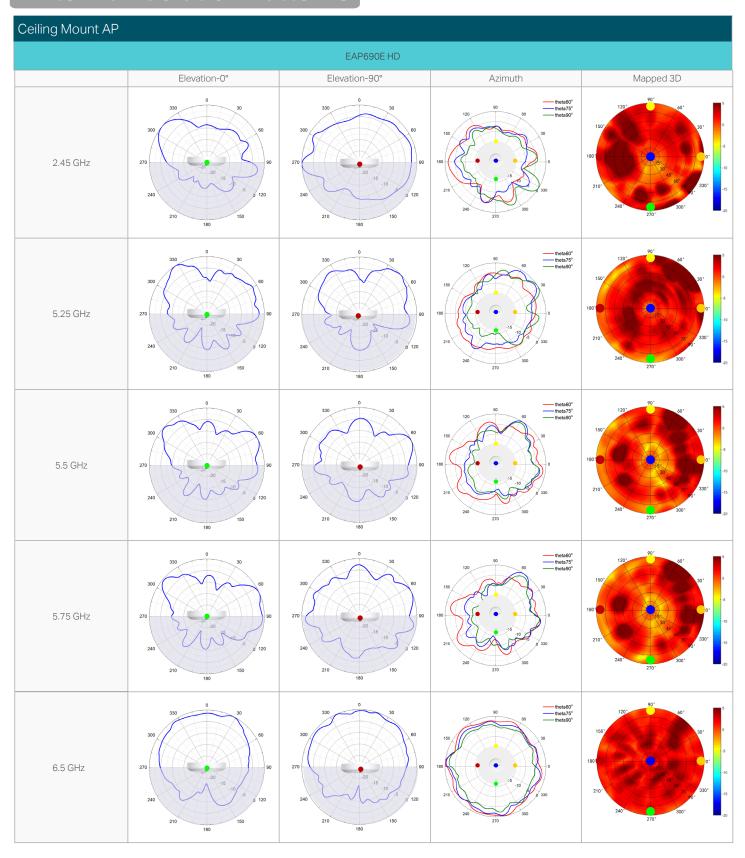
GHz: 4 × 5.0 dBi); <23dBm (6 GHz, EIRP)
); <23dBm (6 GHz, EIRP)
); <23dBm (6 GHz, EIRP)
); <23dBm (6 GHz, EIRP)



2	Ceiling Mount 802.11ax Wi-Fi 6E AP				
Support Date	Model		EAP690E HD		
Bigspart Data	Support Data Rates	802.11ax	5G-1/5G-2 Band: 8 Mbps to 2402 Mbps (MCS0-MCS11, NSS = 1 to 4 HE20/40/80)		
802.11g		802.11ac	6.5 Mbps to 2166.7 Mbps (MCS0-MCS11, NSS = 1 to 4 VHT20/40/80)		
802.11b 1.2.55, 11 Mbps 802.11c 6, 9, 12, 18, 24, 36, 48, 64 Mbps LED ON/OFF Control 9		802.11n	6.5 Mbps to 600 Mbps(MSC0-MCS31, HT20/40)		
B02.11a 6, 9, 12, 18, 24, 36, 48, 64 Mbps		802.11g	6, 9, 12, 18, 24, 36, 48,54 Mbps		
LED ONOFF Control Management MAC		802.11b	1, 2, 5.5, 11 Mbps		
Management MAC Access Control Web-based Management SNMP V1, V2c, V3 SNHP V1, V2c, V3 Restore & Backup Restore & Backup Primere update via Web TITP System Log Email Alerts Power Supply BO2.3bt PoE or 12V/4.5A DC Support Smart Power Consumption Management EU: HAVE WE WEB WEB WEB WEB WEB WEB WEB WEB WEB		802.11a	6, 9, 12, 18, 24, 36, 48,54 Mbps		
Access Control Web-based Management SNMP V1, V2c, V3 SSH Restore & Backup Firmware update via Web NTP System Log Email Aierts Power Supply B02.3bt PoE or 12V/4.5A DC Support Smart Power Consumption Management EU: 44.9 W (802.3bt, full functionality): 40.6 W (172/4.5A, full functionality): 40.6 W (172/4.5A, full functionality): 40.5 W (802.3at, 5GHz-2 and 6 GHz off): 12.95 W (802.3at, 5GHz		LED ON/OFF Control	•		
Access Control Web-based Management SNMP		Management MAC			
SNMP		Access Control			
SSH		Web-based Management	•		
Restore & Backup • Firmware update via Web • NTP • System Log • Email Alerts • Power Supply 802.3bt PoE or 12V/4.5A DC Support Smart Power Consumption Management EU: 44.9 W (802.3bt, full functionality): 40.6 W (1 2/4.5A, full functionality): 40.5 W (802.3bt, fadio off, only main chip and LAN working) US: 50.5 W (802.3bt, full functionality): 44.2 W (12/4.5A, full functionality): 42.5 W (802.3bt, fadio off, only main chip and LAN working) Reset • Mounting Ceiling / Wall mouting Kits included) Certifications CE, FCC, RoHS, IC Dimensions (W x D x H) Environment Prover Supply 802.3bt for 12V/4.5A DC		SNMP	v1, v2c, v3		
Firmware update via Web NTP	Management	SSH	•		
NTP System Log		Restore & Backup	•		
System Log		Firmware update via Web	•		
Physical & Email Alerts Power Supply Support Smart Power Consumption Management EU: 44.9 W (802.3bt, full functionality); 40.6 W (12/4.5A, full functionality); 25.5 W (802.3at, 5GHz-2 and 6 GHz off); 12.95 W (802.3bt, full functionality); 50.5 W (802.3bt, full functionality); 25.5 W (802.3bt, full functionality); 25.5 W (802.3at, radio off, only main chip and LAN working) US: 50.5 W (802.3bt, full functionality); 24.4 W (12/4.5A, full functionality); 25.5 W (802.3at, radio off, only main chip and LAN working) Reset Mounting Certifications Certifications Certifications Certifications Certifications Operating Temperature: 0 °C-40 °C (32 °F-104 °F); Storage Temperature: -40 °C-70 °C (-40 °F-158 °F); Operating Temperature: -40 °C-70 °C (-40 °F-158 °F); Operating Humidity: 10%-90% non-condensing:		NTP	•		
Power Supply 802.3bt PoE or 12V/4.5A DC		System Log	•		
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Physical &			EU:		
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Certifications CE, FCC, RoHS, IC Dimensions (W x D x H) 280 x 280 x 59.1 mm Others 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;					
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Others Storage Temperature: -40 °C-70 °C (-40 °F-158 °F); Operating Humidity: 10%-90% non-condensing;					
Environment Operating Humidity: 10%–90% non-condensing;		Environment			
Storage Humidity: 5%–90% non-condensing;					
			Storage Humidity: 5%–90% non-condensing;		



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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