



EAP690E HD



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

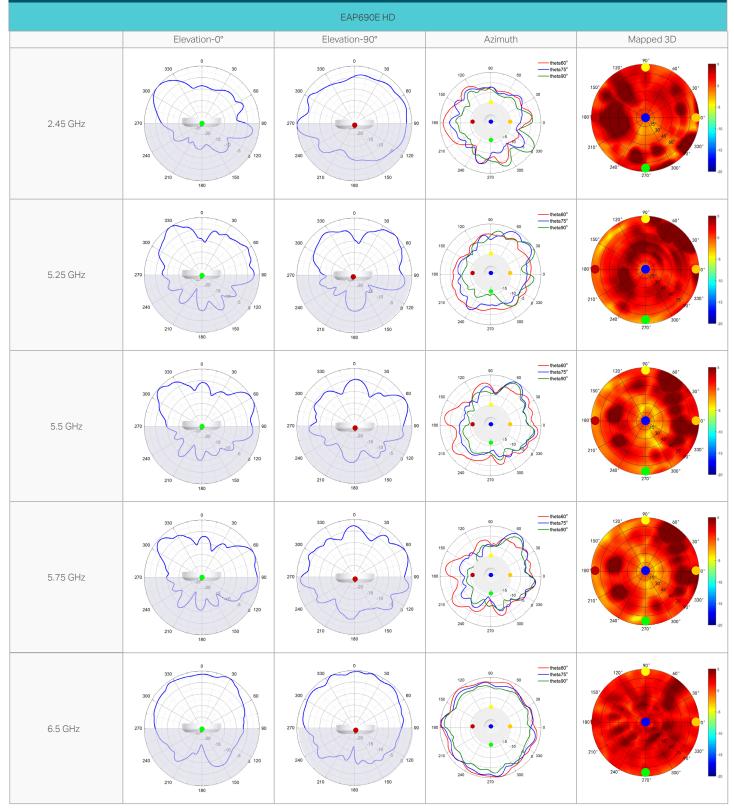
/lodel		EAP690E HD
Jame		AXE11000 Ceiling Mount Quad-Band Wi-Fi 6E Access Point
Naitie		
	LAN Interfaces	1x 10Gbps Ethernet Port
	Wi-Fi Standards	IEEE 802.11 a/b/g/n/ac/ax
	Maximum Data Rate	1148 Mbps (2.4 GHz) + 2402 Mbps (5 GHz-1) + 2402 Mbps (5 GHz-2) + 4804 Mbps (6 GHz)
1ain Design	Wireless Client Capacity	2000+
Main Design	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
	Bluetooth	1 × 4.0 dBi, Bluetooth 5.2
		*Firmware update may be required.
	Transmit Power	CE: < 20 dBm (2.4 GHz, EIRP); < 23 dBm (5 GHz, band 1&band 2, EIRP); < 30 dBm (5 GHz, band 3, EIRP); <23 dBm (6 GHz, EIRP) FCC:< 28 dBm (2.4 GHz); < 28 dBm (5 GHz, band 1); < 28 dBm (5 GHz, band 4); < 25 dBm (6 GHz)
	Omada Software	•
entralized	Controller	•
	Omada Hardware	•
Management	Controller	
	Omada APP	•
	Captive Portal	•
	Authentication	
	Access Control	•
	Maximum number of MAC	4000
	Filter	
ecurity	Wireless Isolation	•
	between Clients	
	VLAN	•
	Rogue AP Detection	
	Wireless Encryption	WPA-Personal/Enterprise, WPA2-Personal/Enterprise, WPA3-Personal/Enterprise, OWE
	802.1X Support	
	Multiple SSIDs	32 (8 on each band)
	Enable/Disable Wireless	•
	Radio Enable/Disable SSID	
Wireless Function	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	

Ceiling Mount 802.11ax Wi-Fi 6E AP				
Model		EAP690E HD		
Support Data Rates	802.11ax	2.4G Band: 8 Mbps to 1148 Mbps (MCS0-MCS11, NSS = 1 to 4 HE20/40) 5G-1/5G-2 Band: 8 Mbps to 2402 Mbps (MCS0-MCS11, NSS = 1 to 4 HE20/40/80) 6G Band: 8 Mbps to 4804 Mbps (MCS0-MCS11, NSS = 1 to 4 HE20/40/80/160)		
	802.11ac	6.5 Mbps to 2166.7 Mbps (MCS0-MCS11, NSS = 1 to 4 VHT20/40/80)		
	802.11n	6.5 Mbps to 600 Mbps(MSC0-MCS31, 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	•		
Physical & Environment	Power Supply	802.3bt PoE or 12V/4.5A DC		
		Support Smart Power Consumption Management EU:		
	Maximum Power Consumption	 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 (802.3af, radio off, only main chip and LAN working) 		
		US: 50.5 W (802.3bt, full functionality); 44.2 W (12/4.5A, full functionality); 25.5 W (802.3at, 5GHz-2 and 6 GHz off); 12.95 W (802.3af, radio off, only main chip and LAN working)		
	Reset	•		
	Mounting	Ceiling / Wall mouting (Kits included)		
Others	Certifications	CE, FCC, RoHS, IC		
	Dimensions (W x D x H)	280 x 280 x 59.1 mm		
		Operating Temperature: 0 °C–40 °C (32 °F–104 °F);		
	Environment	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

Ceiling Mount AP





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.



www.rxtx.com.au