

EAP | Datasheet

EAP772

US: BE11000 Ceiling Mount Wi-Fi 7 Access Point EU: BE9300 Ceiling Mount Wi-Fi 7 Access Point



Highlights

- BE11000 Tri-Band Wi-Fi 7 for US and BE9300 Tri-Band Wi-Fi 7 for EU. Buffering will no longer be a problem.*
- Clear 6 GHz Band: Brings cleaner and wider band resources to your Wi-Fi.
- 320 MHz Bandwidth: Up to 320 MHz bandwidth enables many more simultaneous transmissions at the fastest possible speeds.*
- Low Latency and Interference: Multi-Link Operation, and Multi-RUs ensure high performance of your network.*
- Advanced Functions: Supports centralized management, mesh, and Al roaming.*



Product Pictures

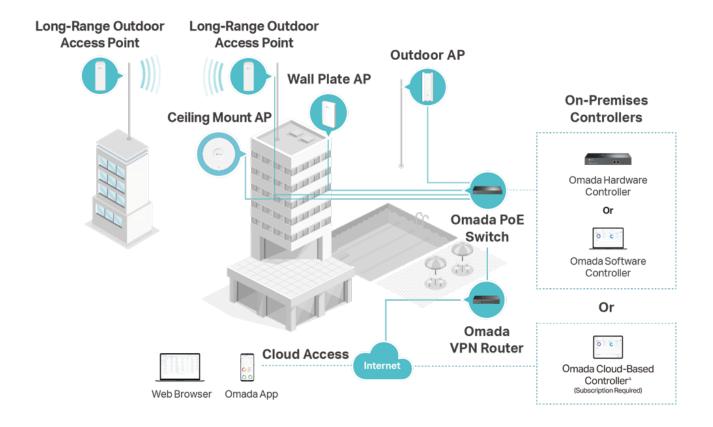




^{*} Coverage value is calculated based on laboratory testing. Actual coverage is not guaranteed and will vary as a result of client limitations and environmental factors.

Omada Solution

Omada's Software Defined Networking (SDN) platform integrates network devices, including access points, switches, and gateways, providing 100% centralized cloud management. Omada creates a highly scalable network—all controlled from a single interface.



Specifications

Model		EAP772
Name		US: BE11000 Ceiling Mount Wi-Fi 7 Access Point
		EU: BE9300 Ceiling Mount Wi-Fi 7 Access Point
	LAN Interfaces	1x 2.5Gbps Ethernet Port
	Wi-Fi Standards	IEEE 802.11 a/b/g/n/ac/ax/be
	Maximum Data Rate	US: 688 Mbps (2.4 GHz) + 4324 Mbps (5 GHz) + 5765 Mbps (6 GHz)
		EU: 688 Mbps (2.4 GHz) + 2882 Mbps (5 GHz) + 5765 Mbps (6 GHz)
	Wireless Client Capacity	2 GHz: 128, 5 GHz: 128, 6 GHz: 128
	Antennas	2.4 GHz: 2 × 4dBi, 5 GHz: 2 × 5dBi, 6 GHz: 2 × 5dBi
	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); < 28 dBm (5 GHz, band 3, EIRP); < 23dBm (6 GHz, EIRP)
		FCC:< 25 dBm (2.4 GHz); < 25 dBm (5 GHz); < 23 dBm (6 GHz)
		2.4G:
Main Design		11ax HE20MCS0:-96dBm; 11ax HE20MCS11:-66.5dBm
		11ax HE40MCS0:-93dBm; 11ax HE40MCS11:-64dBm
		5G:
		11be EHT20MCS0:-94dBm; 11be EHTMCS13:-63dBm
		11be EHT40MCS0:-90.5dBm; 11be EHT40MCS13:-60dBm
	Reception Sensitivity	11be EHT80MCS0:-88dBm; 11be EHT80MCS13:-57.5dBm
		11be EHT160MCS0:-85dBm; 11be EHT160MCS13:-55.5dBm
		6G:
		11be EHT20MCS0:-93dBm; 11be EHTMCS13:-63dBm
		11be EHT40MCS0:-90dBm; 11be EHT40MCS13:-60dBm
		11be EHT80MCS0:-87.5dBm; 11be EHT80MCS13:-57.5dBm
		11be EHT160MCS0:-84dBm; 11be EHT160MCS13:-55dBm
		11be EHT320MCS0:-81.5dBm; 11be EHT320MCS13:-52.5dBm
	Omada Software	
	Controller	
Centralized	Omada Hardware	
Management	Controller	
	Omada APP	•
	Captive Portal	
	Authentication	
	Access Control	•
	Maximum number of MAC	1000
Security	Filter	4000
	Wireless Isolation	
	between Clients	
	VLAN	•
	Rogue AP Detection	•
	Wireless Encryption	WPA-Personal/Enterprise, WPA2-Personal/Enterprise, WPA3-Personal/Enterprise, OWE

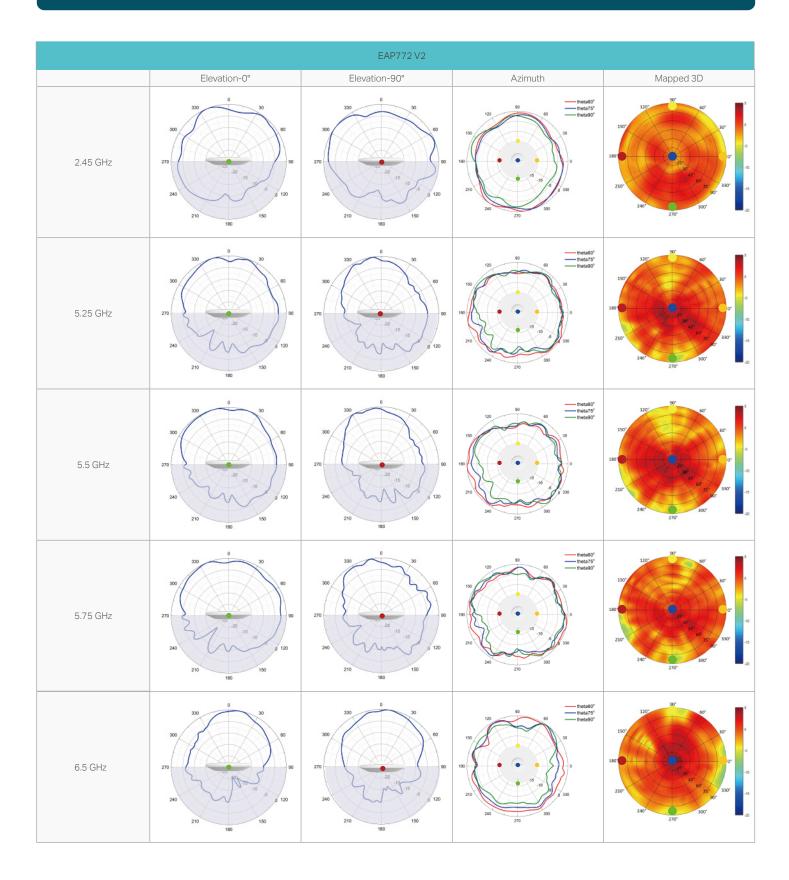


Model		EAP772
	Multiple SSIDs	24 (8 on each band)
	Channel	EU: 2G: 1~13; 5G: 36~140; 6G: 33~93
	Charlie	US: 2G:1~11; 5G: 36~165; 6G: 33~233
	Enable/Disable Wireless	•
	Radio	
	Enable/Disable SSID	•
	Broadcast	
	Guest Network Automatic Channel	•
	Assignment	•
	Transmit Power Control	Adjust transmit Power on dBm
	QoS (WMM)	• Adjust transmittrower on upin
	Seamless Roaming	•
	Mesh	•
Wireless	Beamforming	•
Function	MU-MIMO	2*2 DL/UL MU-MIMO
		2*2 (2G/5G/6G) MU-MIMO
	MIMO	2*2 (2G/5G/6G) SU-MIMO
	OFDMA	DL/UL OFDMA
	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	•
		2G Band: 8Mbps to 688Mbps(MCS0-MCS13,NSS=1 to 2 BE20/40)
		26 Band: EU: 8Mbps to 088/Mbps[MCS0—MCS13,NSS=1 to 2 BE20/40/80/160) 5G Band: EU: 8Mbps to 2882Mbps[MCS0—MCS13,NSS=1 to 2 BE20/40/80/160)
	802.11be	US: 8Mbps to 4324Mbps(MCS0—MCS13,NSS=1 to 2 BE20/40/80/160/240)
Support Data		6G Band: 8Mbps to 5765Mbps(MCS0—MCS13,NSS=1 to 2 BE20/40/80/160/320)
	000.44	2G Band: 8Mbps to 574Mbps(MCS0—MCS11,NSS=1 to 2 HE20/40)
	802.11ax	5G Band: 8Mbps to 2402Mbps(MCS0 — MCS11, NSS=1 to 2 HE20/40/80/160)
		6G Band: 8Mbps to 2402Mbps(MCS0—MCS11, NSS=1 to 2 HE20/40/80/160)
Rates		
	802.11ac	6.5Mbps to 2166.7Mbps(MCS0—MCS11,NSS=1 to 2 VHT20/40/80/160)
	802.11n	6.5Mbps to 300Mbps(MCS0—MCS15,HT20/40)
	000.11~	C O 12 10 24 26 40 F4 Mbps
	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



Model		EAP772
Management	LED ON/OFF Control	•
	Management MAC	
	Access Control	
	Web-based Management	•
	SNMP	v1, v2c, v3
	SSH	•
	Restore & Backup	•
	Firmware update via Web	•
	NTP	•
	System Log	•
	Email Alerts	•
	Power Supply	802.3at PoE or 12W2.5A DC
		DC Power Adapter Is Not Included
Physical & Environment	Maximum Power	EU: 24.05 W (For PoE); 20.92 W (For DC);
	Consumption	US: 25.44 W (For PoE); 22.57 W (For DC);
	Reset	•
	Mounting	Ceiling / Wall mouting (Kits included)
	Certifications	CE, FCC, RoHS, IC
	Dimensions (W x D x H)	220 x 220 x 32.5 mm
	Net Weight	700g
	Enclosure Material / Rack Material	Top cover: PC
		Bottom shell: aluminum alloy
Others		Mounting rack: stainless steel
	Lightning Protection	4KV
	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



Disclaimers

- * Maximum wireless signal rates are the physical rates derived from IEEE Standard 802.11 specifications. The 320 MHz bandwidth is only available on the 6 GHz band. Simultaneously, the 320 MHz bandwidth on the 6 GHz band and 160 MHz bandwidth on the 5 GHz band may be unavailable in some regions/countries due to regulatory restrictions. Double channel width and speed refer to 320 MHz compared to 160 MHz for WiFi 6 routers. Actual wireless data throughput, wireless coverage, and connected devices are not guaranteed and will vary as a result of internet service provider factors, network conditions, client limitations, and environmental factors, including building materials, obstacles, volume and density of traffic, and client location.
- * Use of Wi-Fi 7 (802.11be), Wi-Fi 6 (802.11ax), and features including Multi-Link Operation (MLO), 320 MHz Bandwidth, 6 GHz, 4K-QAM, Multi-RUs, OFDMA, MU-MIMO and BSS Color requires clients to also support the corresponding features.
- * Zero-Touch Provisioning and Auto Channel Selection and Power Adjustment require the use of Omada Cloud-Based Controller. Go to /en/omada-cloud-based-controller/product-list/ to confirm which models are compatible with Omada Cloud-Based Controller.
- * The actual capacity depends on the wireless environment and client traffic and is generally less than the maximum number of client connections.
- * Coverage value is calculated based on laboratory testing. Actual coverage is not guaranteed and will vary as a result of client limitations and environmental factors.
- * Omada Mesh, Al Roaming, Captive Portal, and Cloud Access require the use of an Omada SDN controller. Please refer to the User Guides of Omada SDN controllers for configuration methods.
- * 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: https://www.tp-link.com. Specifications are subject to change without notice.

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