

EAP | Datasheet

EAP725-Wall

US: BE5000 Wall Plate Wi-Fi 7 Access Point

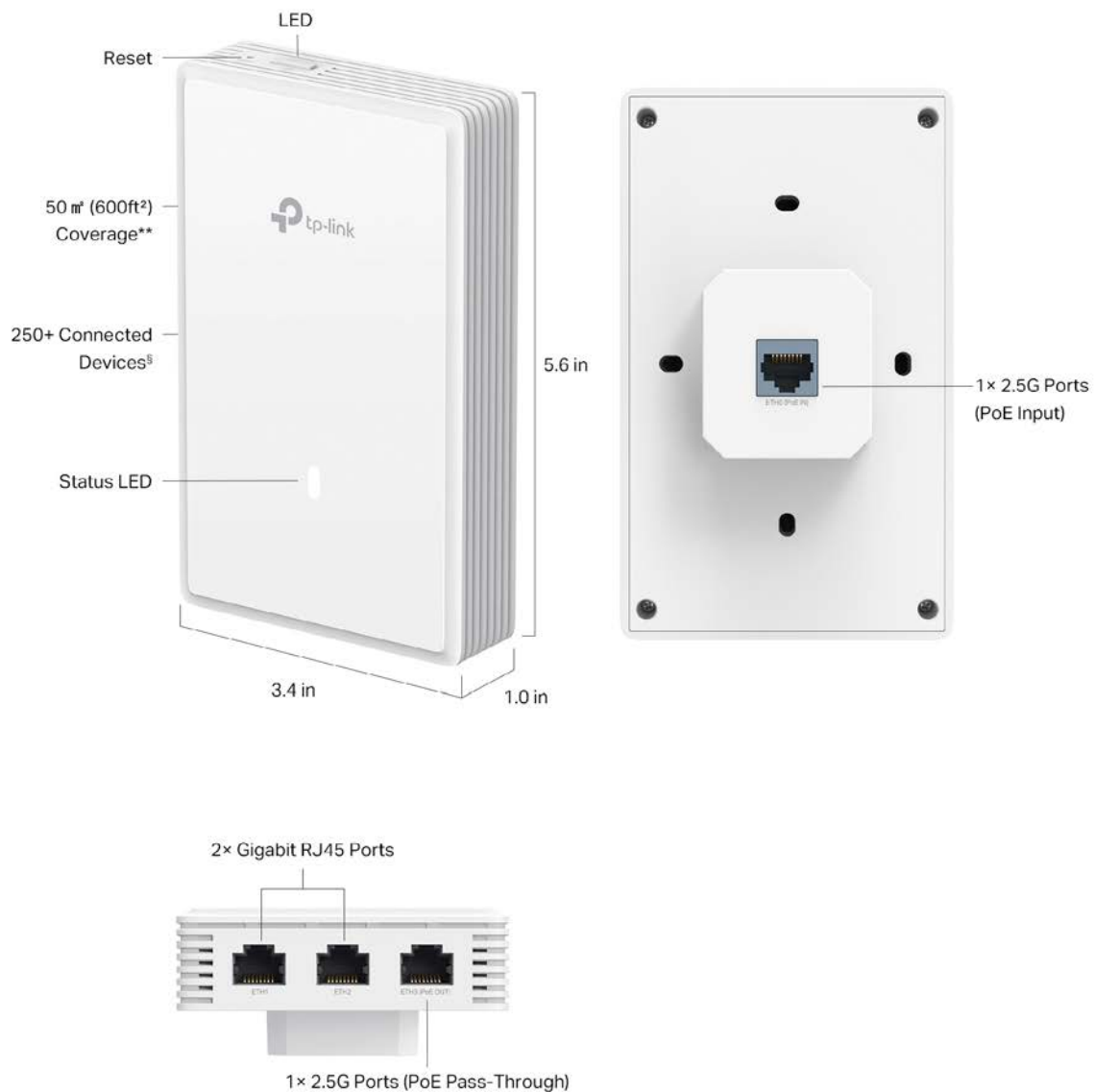
EU: BE3600 Wall Plate Wi-Fi 7 Access Point



Highlights

- BE5000 Wi-Fi 7 for US and BE3600 Wi-Fi 7 for EU*
- 1× 2.5G PoE input port + 1× 2.5G pass-through port + 2× Gigabit RJ45 downlink ports.
- 240 MHz bandwidth for US / 160 MHz bandwidth for EU enables many more simultaneous transmissions.*
- Multi-RUs ensure the high performance of your network.*
- Advanced Functions: Centralized management, Mesh, and Seamless Roaming.*

Product Pictures

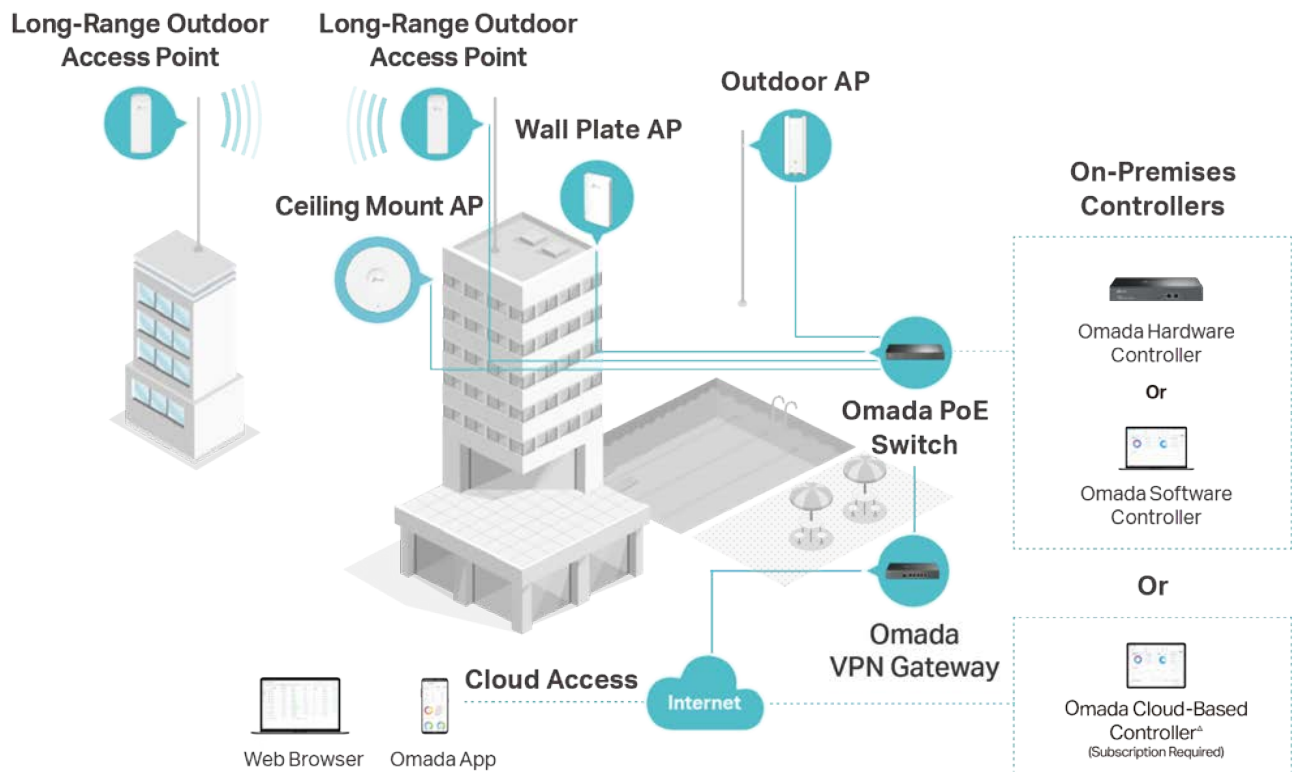


**The actual capacity depends on the wireless environment and client traffic and is generally less than the maximum number of client connections.

§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 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

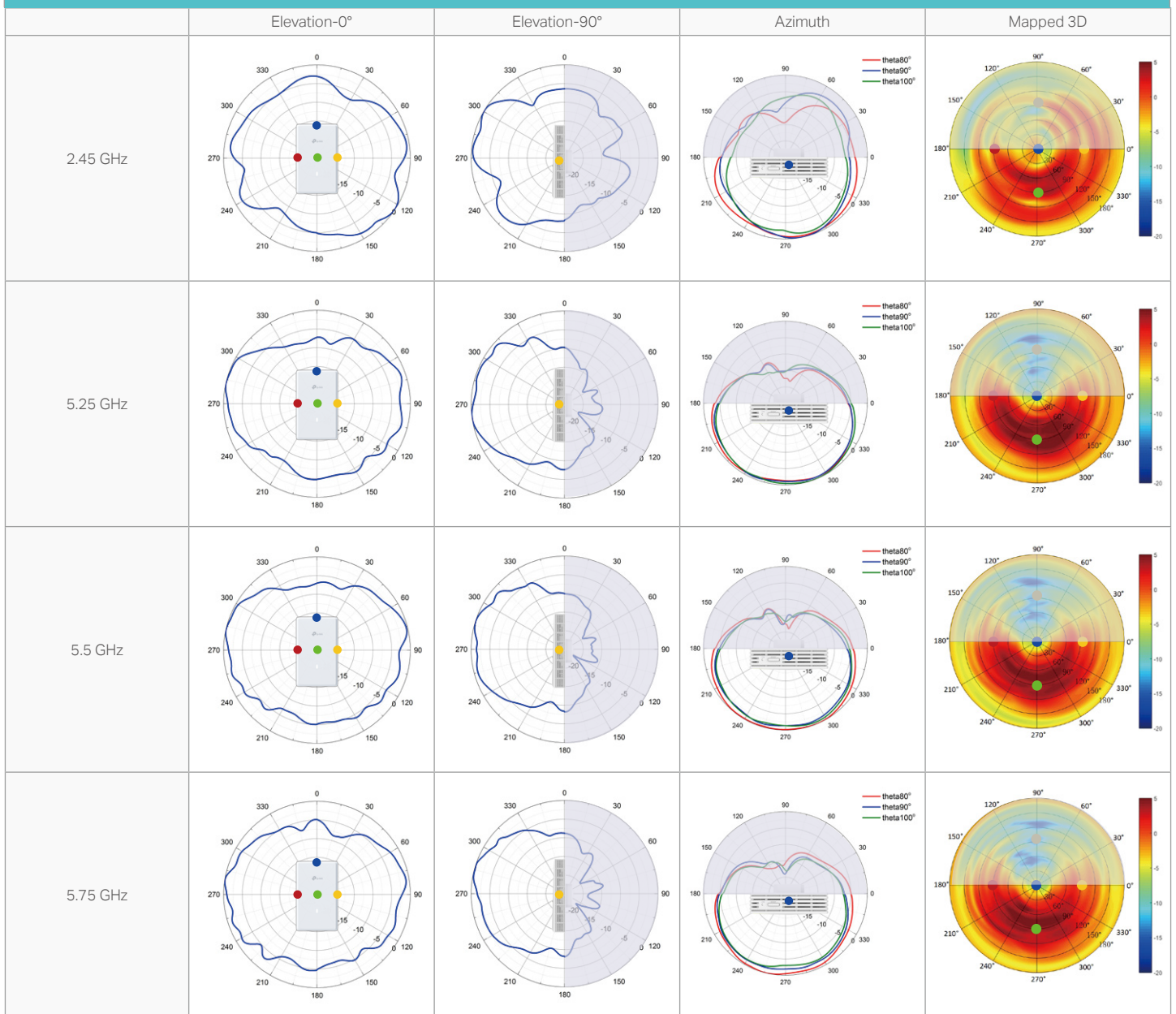
Model		EAP725-Wall
Name		US: BE5000 Wall Plate Wi-Fi 7 Access Point EU: BE3600 Wall Plate Wi-Fi 7 Access Point
Main Design	LAN Interfaces	Uplink: 1× 2.5G Ethernet Port Downlink: 1× 2.5G Ethernet Port (supporting PoE Out) + 2× 1G Ethernet Port
	Wi-Fi Standards	IEEE 802.11 a/b/g/n/ac/ax/be
	Maximum Data Rate	US: 688 Mbps (2.4 GHz) + 4324 Mbps (5 GHz) EU: 688 Mbps (2.4 GHz) + 2882 Mbps (5 GHz)
	Wireless Client Capacity	2.4 GHz: 128, 5 GHz: 128
	Antennas	2.4 GHz: 2 × 4dBi, 5 GHz: 2 × 5dBi
	Bluetooth	Bluetooth 5.2
	Transmit Power	CE: < 20 dBm (2.4 GHz, EIRP); < 23 dBm (5 GHz, band 1&band 2, EIRP); < 25 dBm (5 GHz, band 3, EIRP) FCC:< 22 dBm (2.4 GHz); < 22 dBm (5 GHz, band 1&band 2&band 3&band 4)
	Reception Sensitivity	2.4 GHz: 11be EHE20 MCS0: -97dBm; 11be EHE20 MCS11: -66dBm 11be EHE40 MCS0: -93dBm; 11be EHE40 MCS11: -65dBm 5 GHz: 11be EHT20MCS0: -97dBm; 11be EHT20MCS13: -62dBm; 11be EHT40MCS0: -94dBm; 11be EHT40MCS13: -58dBm; 11be EHT80MCS0: -91dBm; 11be EHT80MCS13: -55dBm; 11be EHT160MCS0: -88dBm; 11be EHT160MCS13: -54dBm
Centralized Management	Omada Software Controller	•
	Omada Hardware Controller	•
	Omada APP	•
Security	Captive Portal Authentication	•
	Access Control	•
	Maximum number of MAC Filter	4000
	Wireless Isolation between Clients	•
	VLAN	•
	Rogue AP Detection	•
	Wireless Encryption	WPA-Personal/Enterprise, WPA2-Personal/Enterprise, WPA3-Personal/Enterprise

Model		EAP725-Wall
Wireless Function	Multiple SSIDs	16 (8 on each band)
	Channel	US: 2.4 GHz:1 - 11 5 GHz: 36,40,44,48,52,56,60,64,100,104,108,112,116,120,124,128,132,136,140,144,149,153,157,161,165 EU: 2.4 GHz:1 - 13 5 GHz: 36,40,44,48,52,56,60,64,100,104,108,112,116,120,124,128,132,136,140
	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	-
	MIMO	2*2 (2.4 GHz and 5 GHz) 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	•
Support Data Rates	802.11be	2.4 GHz Band: 8Mbps to 688Mbps(MCS0—MCS13,NSS=1 to 2 EHT20/40) 5 GHz Band: EU: 8Mbps to 2882Mbps(MCS0—MCS13,NSS=1 to 2 EHT20/40/80/160) US: 8Mbps to 4324Mbps(MCS0—MCS13,NSS=1 to 2 EHT20/40/80/160/240)
	802.11ax	2.4 GHz Band: 8Mbps to 568Mbps(MCS0—MCS11,NSS=1 to 2 HE20/40) 5 GHz Band: 8Mbps to 2402Mbps(MCS0—MCS11, NSS=1 to 2 HE20/40/80/160)
	802.11ac	6.5Mbps to 1733Mbps(MCS0—MCS9,NSS=1 to 2 VHT20/40/80/160)
	802.11n	6.5Mbps to 300Mbps(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

Model		EAP725-Wall				
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	•				
Physical & Environment	Power Supply	802.3at/bt PoE				
	Maximum Power Consumption	Mode	Power Consumption	PoE Out	System Configuration	Wi-Fi Radios
		802.3bt	17W	Support 15.4W	Support	Support
		802.3at	17W	Support 7W	Support	Support
	Reset	•				
Others	Mounting	Wall mouting (Kits included)				
	Certifications	CE, FCC, RoHS				
	Dimensions (W x D x H)	143 x 86 x 40 mm				
	Net Weight	365.8g				
	Enclosure Material / Rack Material	Top Cover: PC Middle Frame: PC Bottom Shell: Aluminum Alloy				
	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

EAP725-Wall



Disclaimers

- * Maximum wireless signal rates are the physical rates derived from IEEE Standard 802.11 specifications. The 160 MHz bandwidth is only available on the 5GHz band. It may be unavailable in some regions/countries due to regulatory restrictions. 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) and features including 240 MHz Bandwidth / 160 MHz Bandwidth, 4K-QAM, Multi-RUs, OFDMA and MU-MIMO requires clients to also support the corresponding features.
- * 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, Seamless 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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