





Omada BE5000 (US) / BE3600 (EU) Wi-Fi 7 Indoor / Outdoor Access Point with Directional / Omnidirectional Antennas

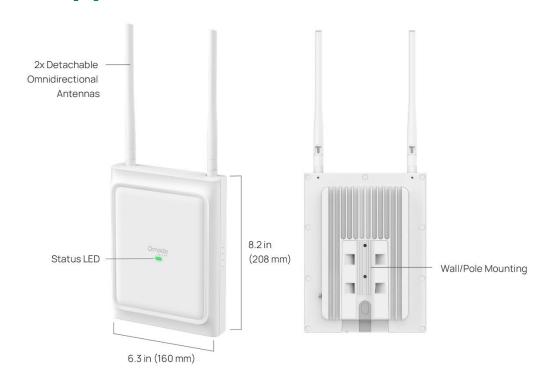
Model: EAP725-Outdoor

## **Product Overview**

Omada BE5000 (US) / BE3600 (EU) Wi-Fi 7 Indoor/Outdoor Access Point EAP725-Outdoor is the dual-band business-grade Wi-Fi 7 Outdoor Access Point model. Features internal directional antennas and detachable omnidirectional antennas with flexible mode switching. Ideal for garage, swimming pools, and farms.

- Directional and Omnidirectional Antennas: Freely switch between modes via software for optimal signal control.\*\*
- Plug & Play Auto-Sensing Antennas: Automatically detects antenna changes and switches between internal and external antennas as needed.
- 4-Stream Dual-Band Wi-Fi 7: Up to 5 Gbps for the US and up to 3.6 Gbps for the EU.
- 1× 2.5G PoE Port: Flexible PoE deployment reduces costs by delivering power and data over a single Ethernet cable.
- **Outdoor-Ready Durability:** Features an IP66-rated weatherproof enclosure and 6kV lightning protection.
- Quick and Easy Setup: Features wall/pole mounting with Omada SDN for one-click setup.
- Advanced Features: Centralized management, mesh, and seamless roaming.<sup>△</sup>

## **Product Appearance**





## **Feature Descriptions**

### Omada Wi-Fi 7 Technology: Swifter, Smoother, Stronger\*

Featuring superb Wi-Fi 7 technology, including Multi-Link Operation, Multi-RUs, and 4K-QAM, Omada EAP725-Outdoor significantly enhances throughput, connection stability, and concurrent capacity, ensuring faster and higher quality connections for more devices.



### Versatile Directional/Omni Antennas to Meet Diverse Deployment Needs

EAP725-Outdoor is Omada's first outdoor access point featuring both internal and detachable antennas. It offers four selectable antenna modes: External Omni, Internal Directional, Custom, and Auto.

In Custom mode, professional users can independently choose the internal or external antenna for 2.4 GHz and 5 GHz bands and configure antenna gain for each, enabling highly flexible, scenario-specific deployments.

In factory-default Auto mode, the AP automatically detects antenna changes and seamlessly switches between internal and external antennas, delivering true plug-and-play convenience.

## Flexible Deployment with PoE Support

1× 2.5G PoE+ port delivers both power and data through a single cable, cutting deployment costs and outdoor wiring complexity.

## **Outdoor-Ready Design for Extreme Conditions**

EAP725-Outdoor offers complete dustproof protection and the ability to withstand prolonged submersion in water. It supports IP66 weatherproof and 6kV lightning protection. Additionally, an extended temperature tolerance of -30 °C to 70 °C makes it ideal for extremely hot and cold environments.

## **Quick and Easy Setup**

Flexible installation options, including wall and pole mounts, enable quick deployment in diverse settings. Integration with Omada SDN allows for one-click adoption and automatic device discovery, streamlining the setup process.

## **Cloud-Based Centralized Management**

As part of Omada's unified SDN ecosystem, EAP725-Outdoor works with Omada switches, gateways, and controllers. Businesses gain end-to-end visibility, automated optimization, zero-touch provisioning, and batch configuration—all managed from a single cloud interface.

## **Seamless Connectivity with Mesh and Roaming**

Ensures customers enjoy uninterrupted streaming when moving around by switching clients automatically to the access points with the optimal signal.

# **Specifications**

## **Hardware Specifications**

Item	Description		
Wi-Fi Standards	5 GHz: IEEE 802.11a/n/ac/ax/be 2.4 GHz: IEEE 802.11b/g/n/ax/be		
	Spatial Streams	<ul> <li>2.4 GHz: 2×2 Uplink/Downlink MU-MIMO with 2 spatial streams</li> <li>5 GHz: 2×2 Uplink/Downlink MU-MIMO with 2 spatial streams</li> </ul>	
	Frequency Bands	2.400 to 2.4835 GHz ISM 5.150 to 5.250 GHz U-NII-1 5.250 to 5.350 GHz U-NII-2A 5.470 to 5.725 GHz U-NII-2C 5.725 to 5.850 GHz U-NII-3/ISM *Note: Country-Specific Restriction Apply	
	Bandwidth	2.4 GHz: 20 MHz/40 MHz 5 GHz: 20 MHz/40 MHz/80 MHz/160/240 MHz *Note: Country-Specific Restriction Apply	
	Wireless Data Rate	<ul> <li>2.4 GHz + 5 GHz:5012 Mbps</li> <li>2.4 GHz: 8.6 Mbps to 688 Mbps (MCS0-MCS13, NSS=1 to 2, EHT20/40)</li> <li>5 GHz: 8.6 Mbps to 4324 Mbps (MCS0-MCS13, NSS=1 to 2, EHT20/40/80/160/240)</li> </ul>	
802.11be	Radio Technology	Uplink/Downlink OFDMA (Orthogonal Frequency-Division Multiple Access)	
	Modulation Type	4096-QAM, 1024-QAM, 256-QAM. 64-QAM, 16-QAM, QPSK, BPSK	
	Frame Aggregation	<ul> <li>A-MPDU (Aggregate MAC Protocol Data Unit) for Tx/Rx</li> <li>A-MSDU (Aggregate MAC Service Data Unit) for Tx/Rx</li> </ul>	
	Others	<ul> <li>Preamble Puncturing</li> <li>BSS Coloring</li> <li>Multi-Link Operation (MLO)</li> <li>TWT (Target Wake Time)</li> <li>Maximal Ratio Combining (MRC)</li> <li>Transmit Beamforming (TxBF)</li> <li>Wi-Fi Protect Access 3 (WPA3)</li> <li>Dynamic Frequency Selection (DFS)</li> <li>Cycle Delay Diversity (CDD)</li> <li>Cycle Shift Diversity (CSD)</li> <li>Space-Time Block Coding (STBC)</li> <li>Low-Density Parity Check (LDPC)</li> </ul>	
802.11ax	Spatial Streams	<ul> <li>2.4 GHz: 2×2 Uplink/Downlink MU-MIMO with 2 spatial streams</li> <li>5 GHz: 2×2 Uplink/Downlink MU-MIMO with 2 spatial streams</li> </ul>	

Item	Description		
	Frequency Bands	2.400 to 2.4835 GHz ISM 5.150 to 5.250 GHz U-NII-1 5.250 to 5.350 GHz U-NII-2A 5.470 to 5.725 GHz U-NII-2C 5.725 to 5.850 GHz U-NII-3/ISM *Note: Country-Specific Restriction Apply	
	Bandwidth	2.4 GHz: 20 MHz/40 MHz 5 GHz: 20 MHz/40 MHz/80 MHz/160 MHz *Note: Country-Specific Restriction Apply	
	Wireless Data Rate	<ul> <li>2.4 GHz: 8.6 Mbps to 573 Mbps (MCS0-MCS11, NSS=1 to 2, HE20/40)</li> <li>5 GHz: 8.6 Mbps to 2402 Mbps (MCS0-MCS11, NSS=1 to 2, HE20/40/80/160)</li> <li>*Note: Country-Specific Restriction Apply</li> </ul>	
	Radio Technology	Uplink/Downlink OFDMA (Orthogonal Frequency-Division Multiple Access)	
	Modulation Type	1024-QAM, 256-QAM. 64-QAM, 16-QAM, QPSK, BPSK	
	Frame Aggregation	<ul> <li>A-MPDU (Aggregate MAC Protocol Data Unit) for Tx/Rx</li> <li>A-MSDU (Aggregate MAC Service Data Unit) for Tx/Rx</li> </ul>	
	Others	<ul> <li>TWT (Target Wake Time)</li> <li>MRC (Maximal Ratio Combining)</li> <li>TxBF (Transmit Beamforming)</li> <li>WPA3 (Wi-Fi Protect Access 3)</li> <li>DFS (Dynamic Frequency Selection)</li> <li>CDD (Cycle Delay Diversity)</li> <li>CSD (Cycle Shift Diversity)</li> <li>STBC (Space-Time Block Coding)</li> <li>LDPC (Low-Density Parity-Check)</li> </ul>	
	Spatial Streams	5 GHz: 2×2 Downlink MU-MIMO with 2 spatial streams	
	Frequency Bands	5.150 to 5.250 GHz U-NII-1 5.250 to 5.350 GHz U-NII-2A 5.470 to 5.725 GHz U-NII-2C 5.725 to 5.850 GHz U-NII-3/ISM *Note: Country-Specific Restriction Apply	
000 11	Bandwidth	5 GHz: 20 MHz/40 MHz/80/160 MHz	
802.11ac	Wireless Data Rate	• 5 GHz: 8.6 Mbps to 1733M Mbps (MCS0-MCS9, NSS=1 to 2, VHT20/40/80/160)	
	Radio Technology	OFDM (Orthogonal Frequency-Division Multiplexing)	
	Modulation Type	256-QAM. 64-QAM, 16-QAM, QPSK, BPSK	
	Frame Aggregation	<ul> <li>A-MPDU (Aggregate MAC Protocol Data Unit) for Tx/Rx</li> <li>A-MSDU (Aggregate MAC Service Data Unit) for Tx/Rx</li> </ul>	

Item	Description			
	Others	<ul> <li>MRC (Maximal Ratio Combining)</li> <li>TxBF (Transmit Beamforming)</li> <li>DFS (Dynamic Frequency Selection)</li> <li>CDD (Cycle Delay Diversity)</li> <li>CSD (Cycle Shift Diversity)</li> <li>STBC (Space-Time Block Coding)</li> <li>LDPC (Low-Density Parity-Check)</li> </ul>		
	Spatial Streams	<ul> <li>2.4 GHz: 2×2 MIMO with 2 spatial streams</li> <li>5 GHz: 2×2 MIMO with 2 spatial streams</li> </ul>		
	Frequency Bands	2.400 to 2.4835 GHz ISM 5.150 to 5.250 GHz U-NII-1 5.250 to 5.350 GHz U-NII-2A 5.470 to 5.725 GHz U-NII-2C 5.725 to 5.850 GHz U-NII-3/ISM *Note: Country-Specific Restriction Apply		
	Bandwidth	20 MHz/40 MHz		
802.11n	Wireless Data Rate	<ul> <li>2.4 GHz: 8.6 Mbps to 300 Mbps (MCS0-MCS7, NSS=1 to 2, HT20/40)</li> <li>5 GHz: 8.6 Mbps to 300 Mbps (MCS0-MCS7, NSS=1 to 2, HT20/40)</li> </ul>		
	Radio Technology	OFDM (Orthogonal Frequency-Division Multiplexing)		
	Modulation Type	64-QAM, 16-QAM, QPSK, BPSK		
	Frame Aggregation	<ul> <li>A-MPDU (Aggregate MAC Protocol Data Unit) for Tx/Rx</li> <li>A-MSDU (Aggregate MAC Service Data Unit) for Tx/Rx</li> </ul>		
	Others	<ul> <li>MRC (Maximal Ratio Combining)</li> <li>TxBF (Transmit Beamforming)</li> <li>DFS (Dynamic Frequency Selection)</li> <li>CDD (Cycle Delay Diversity)</li> <li>CSD (Cycle Shift Diversity)</li> <li>STBC (Space-Time Block Coding)</li> <li>LDPC (Low-Density Parity-Check)</li> </ul>		
<ul> <li>2 × 8.3 dBi (peak gain), interrest beamwidth 90°)</li> <li>Wi-Fi</li> <li>5 GHz:</li> <li>2 × 5.3 dBi (peak gain), extered beamwidth 45°)</li> </ul>		<ul> <li>2 × 4.5 dBi (peak gain), external omnidirectional antennas</li> <li>2 × 8.3 dBi (peak gain), internal directional antennas (antenna beamwidth 90°)</li> <li>5 GHz:</li> <li>2 × 5.3 dBi (peak gain), external omnidirectional antennas</li> <li>2 × 13.2 dBi (peak gain), internal directional antennas (antenna</li> </ul>		
	IoT	Bluetooth: 1 × 3.6 dBi (peak gain), internal omnidirectional antennas		
Interfaces	<ul> <li>1 x 10M/100M/1000M/2.5Gbps Ethernet Port (RJ45); PoE in</li> <li>1 x Grounding Terminal</li> </ul>			
IoT	BLE 5.2, 1Mbps			

ltem	Description		
Memory	<ul><li>Flash: 1024 Mbit</li><li>DRAM: 4096 Mbit</li></ul>		
Button	1 × Reset button: restore to factory	Press the button for longer than 5 seconds to make the device settings.	
Indicator	<ul> <li>1 × multi-color system LED indicates on the front:</li> <li>Power-on status</li> <li>Firmware initialization or upgrade status</li> <li>Uplink service status</li> <li>Error status</li> <li>4 × green system LED indicates on the side:</li> <li>Signal strength of Uplink</li> </ul>		
Reliability	MTBF (Mean Time between Failure)	<ul> <li>CE:</li> <li>584455 hours at the operating temperature of 25°C (77°F)</li> <li>295200 hours at the operating temperature of 40°C (104°F)</li> <li>FCC:</li> <li>392111 hours at the operating temperature of 25°C (77°F)</li> <li>235084 hours at the operating temperature of 40°C (104°F)</li> </ul>	
Dower Cupply	Input	802.3at PoE+: 42.5 - 57 V === 0.6 A	
Power Supply	Output	1	
Power Consumption	<ul> <li>802.3at (PoE+): 18.4 W, 2.4GHz radio 2×2, 5GHz radio 2×2, wired link rate can be up to 2.5 Gbps, etc.</li> <li>Idle mode: 7.6 W (PoE)</li> </ul>		
Surge/Lightning Protection	Ethernet Ports: ±6 kV		
ESD/EMP Protection	<ul> <li>Air discharge: ±8 kV</li> <li>Contact discharge: ±4 kV</li> <li>*Note: ESD/EMP Protection means Electrostatic Discharge/Electromagnetic Pulse Protection independently.</li> </ul>		
Tx Power	CE (ERIP)  • 2.4 GHz: 20 dBm  • 5 GHz: 23 dBm in U-NII-1, 23 dBm in U-NII-2A, 30 dBm in U-NII-2C,  Maximum transmit power  • 2.4 GHz: 25 dBm  • 5 GHz: 26 dBm in U-NII-1, 24 dBm in U-NII-2A, 24 dBm in U-NII-2C, 26 dBm in U-NII-3  *Note: MIMO combined power, excluding antenna gains. The actual transmit power depends on local laws and regulations.		

Item	Description				
Minimum transmit power		CE (ERIP)  2.4 GHz: 7 dBm  5 GHz: 7 dBm in U-NII-1, 7 dBm in U-NII-2A, 7 dBm in U-NII-2C FCC (Conducted Power)  2.4 GHz: 4 dBm  5 GHz: 4 dBm in U-NII-1, 4 dBm in U-NII-2A, 4 dBm in U-NII-2C, 4dBm in U-NII-3  *Note: MIMO combined power, excluding antenna gains. The actual transmit power depends on local laws and regulations.			
	Adjustable power increment	1 dBm			
	Temperature	<ul> <li>Operating: -30°C to +70°C (-22°F to +158°F)</li> <li>Storage: -40°C to +70°C (-40°F to +158°F)</li> </ul>			
	Humidity	<ul><li>Operating: 10% to 90% (non-condensing)</li><li>Storage: 5% to 90% (non-condensing)</li></ul>			
Environment	Altitude	<ul><li>Storage: up to + 2000m(6561feet)</li><li>Operating: up to + 2000m(6561feet)</li></ul>			
	Windproof	Class 16			
	Weatherproof Enclosure	IP66			
	Dimensions (W×D×H)	<ul> <li>Main Unit: 208.0 × 160.0 × 55.0 mm (8.19 in. x 6.30 in. x 2.17 in.)</li> <li>Shipping Unit: 248.0 × 202.0 × 83.0 mm (9.76 in. x 7.95 in. x 3.27 in.)</li> </ul>			
Unit	Weight	<ul> <li>Main Unit: 1.33 kg (2.92 lbs)</li> <li>Mounting Bracket: 0.09 kg (0.20 lbs)</li> <li>Shipping Unit: 1.75 kg (3.86 lbs)</li> </ul>			
	Mounting	<ul><li>Pole Mount (Kits included)</li><li>Wall Mount (Kits included)</li></ul>			

## **Software Specifications**

Item	Description		
	Maximum number of BSSIDs	16 (8 on each band)	
	Maximum number of associated STAs	256	
	Guest Network	Yes	
	ACS (Automatic Channel Selection)	Yes	
	Airtime Fairness	Yes	
	Band Steering	Yes	
	802.11 Rate Control	Yes	
	Rogue AP Detection	Yes	
	URL Filtering	Yes	
	RF Scan	Yes	
	WLAN Optimization	Yes	
	WIDS/WIPS	No	
	Lock to AP	Yes	
Wireless Functions	Rate Limit	<ul><li>SSID Rate Limit</li><li>Client Rate Limit</li></ul>	
	Load Balance	<ul><li>Maximum Associated Clients</li><li>RSSI Threshold</li></ul>	
	MLO	• 2.4 GHz+5 GHz	
	Roaming	<ul> <li>802.11 k</li> <li>802.11v</li> <li>802.11r</li> <li>Non-Stick Roaming</li> <li>Ping-Pong Roaming Suppression</li> <li>Al Roaming</li> <li>*Note: Only support Layer 2 Roaming currently.</li> </ul>	
	Multicast/Broadcast Management	<ul> <li>Multicast-to-Unicast Conversion</li> <li>ARP-to-Unicast Conversation</li> <li>Multicast Filtering</li> <li>Multicast/Broadcast Rate Limit</li> </ul>	

Item	Description				
	QoS (Quality of Service)	<ul> <li>WMM (Wi-Fi Multimedia)</li> <li>DSCP (Differentiated Services Code Point)</li> <li>U-APSD (Unscheduled Automatic Power Save Delivery)</li> </ul>			
	ACL	1			
	MAC Filter				
	802.1X Authentication				
	MAC-Based Authentication				
	<ul><li>None</li><li>Enhanced Open</li><li>WPA/WPA2/WPA3-Personal</li><li>WPA/WPA2/WPA3-Enterprise</li></ul>				
	Radius Accounting				
	<ul> <li>PPSK without Radius</li> <li>PPSK with Radius (Generic Radius with bound MAC/EKMS/Generic Radius with unbound MAC)</li> </ul>				
Security and Authentication	Captive Portal	<ul> <li>No Authentication</li> <li>Simple Password</li> <li>Hotspot (Voucher / Local User / SMS / RADIUS / Form Auth)</li> <li>RADIUS Server</li> <li>External LDAP Server</li> <li>External Portal Server</li> <li>Pre-Authentication Access</li> <li>Authentication-Free Client</li> </ul>			
	EAP Types	<ul> <li>EAP-TLS</li> <li>EAP-TTLS</li> <li>EAP-PEAP</li> <li>EAP-CHAP</li> <li>EAP-SIM</li> <li>EAP-AKA</li> <li>EAP-GTC</li> <li>EAP-FAST</li> <li>EAP-PEAP</li> <li>EAP-MD5</li> <li>EAP-MSCHAPv2</li> <li>PEAPv0</li> <li>PEAPv1</li> </ul>			
Management methods	Omada Controller	<ul> <li>Omada Controller V5.15 and above</li> <li>Omada Essential V5.15 and above</li> </ul>			
	Арр	Omada App V4.25 and above			
	Standalone Management	Yes			

Item	Description	
	Standalone Mesh	No
	SSH	Yes
	SNMP	v1, v2c, v3
	AP	Yes
Operating Modes	Repeater	Yes
	Mesh	Yes
	System Log	Yes
	Reboot Schedule	Yes
	WLAN Schedule	Yes
Contain Francisco	NTP (Network Time Protocol) Yes	
System Feature	Email Alerts	Yes
	Firmware Upgrade	Yes
	Restore & Backup	Yes
	LED Control	Yes
	VLAN	<ul><li>SSID VLAN</li><li>Dynamic VLAN</li><li>Management VLAN</li></ul>
	Static IP / DHCP Client	Yes
	IPv4/IPv6	Yes
Network Features	LLDP (Link Layer Discovery Protocol)	Yes
	mDNS	Yes
	Tools	<ul> <li>Ping / Traceroute / DNSLookup / ARP Table</li> <li>Packet Capture</li> <li>Terminal</li> </ul>

# **Standards Compliance and Certifications**

Item	Category	Description		
	IEEE Standards	<ul> <li>IEEE 802.11a/b/g/n/ac/ax/be</li> <li>IEEE 802.11e/i/k/v/r</li> <li>IEEE 802.1x/q</li> <li>IEEE 802.3at</li> <li>IEEE 802.3ab</li> <li>IEEE 802.3bz</li> <li>IEEE 802.3x</li> </ul>		
	Radio Standards	<ul> <li>ETSI EN 300 328</li> <li>ETSI EN 301 893</li> <li>EN 50385 EN50665 EN IEC 62311</li> <li>FCC Part 15E</li> <li>RSS-247, RSS-GEN</li> <li>LP0002</li> </ul>		
Standards compliance	EMC standards	<ul> <li>EN 55032</li> <li>EN 55035</li> <li>EN 301489-1</li> <li>EN 301489-17</li> <li>EN 301489-19</li> <li>FCC Part 15C</li> <li>ICES-003 issue7</li> <li>CNS 15936</li> </ul>		
	Safety Standards	<ul> <li>EN 62368-1</li> <li>IEC 62368-1</li> <li>CNS 15598-1</li> </ul>		
	Security Standards	<ul> <li>WPA-Personal/Enterprise</li> <li>WPA2-Personal/Enterprise</li> <li>WPA3-Personal/Enterprise</li> <li>OWE</li> </ul>		
	RoHS	<ul><li>Directive 2011/65/EU, Directive (EU) 2015/863</li><li>EN IEC 63000: 2018</li></ul>		
	Others	<ul><li>Equipment Radio Regulations: 2008 (including amendments)</li><li>VCCI-CISPR 32</li></ul>		
Certifications	<ul> <li>Wi-Fi Alliance: Wi-Fi 7 (R1), Wi-Fi 6 (R2), Wi-Fi 6E, WPA3-R3, WPA3-Suite B, Enhanced Open Security</li> <li>FCC/CE/NCC/VCCI/JRF/BSMI</li> </ul>			

# **RF Performance**

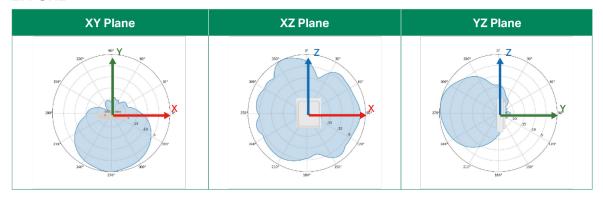
Frequency Band	Wi-Fi Protocol & Bandwidth	MCS Index / Data Rate	EU/US Maximum Transmit Power (dBm) per transmit chain	Receiver Sensitivity (dBm) per receive chain
	002 11n LIT20	MCS0	15/22	-97.0
	802.11n, HT20	MCS7	15/21	-78.0
	802.11n, HT40	MCS0	15/22	-93.5
		MCS7	15/21	-75.5
	802.11ax, HE20	MCS0	15/22	-97.0
2.4 GHz	002.11dX, FIE20	MCS11	15/19	-66.5
2.4 GHZ	802.11ax, HE40	MCS0	15/22	-93.0
	002.11ax,11L40	MCS11	15/19	-66.0
	802.11be, EHT20	MCS0	15/22	-97.0
	SOZ. I IDE, LITIZO	MCS13	15/19	NA
	802.11be, EHT40	MCS0	15/22	-93.5
	802.11be, L11140	MCS13	15/19	NA
	802.11n, HT20	MCS0	23/23	-96.5
		MCS7	21/21	-76.5
	802.11n, HT40	MCS0	23/23	-92.5
		MCS7	21/21	-72.5
	802.11ac, VHT20	MCS0	23/23	-96.5
	002.11 ac, V11120	MCS8	20/20	-77.0
	802.11ac, VHT40	MCS0	23/23	-93.5
	002.11ac, VIII 40	MCS9	20/20	-69.0
5 GHz	802.11ac, VHT80	MCS0	23/23	-89.5
	002.1146, 411160	MCS9	20/20	-64.5
	802.11ax, HE20	MCS0	23/23	-96.5
	552.1 10A, 11L20	MCS11	19/19	-67.0
	802.11ax, HE40	MCS0	23/23	-93.0
	502.11ax,11L40	MCS11	19/19	-65.0
	802.11ax, HE80	MCS0	23/23	-89.5
	502.11ax,11E60	MCS11	19/19	-62.0
	802.11ax, HE160	MCS0	23/23	-88.5

Frequency Band	Wi-Fi Protocol & Bandwidth	MCS Index / Data Rate	EU/US Maximum Transmit Power (dBm) per transmit chain	Receiver Sensitivity (dBm) per receive chain
		MCS11	18/18	-61.5
	902 11ha EUT20	MCS0	23/23	-96.5
	802.11be, EHT20	MCS13	18/18	-62.0
	802.11be, EHT40	MCS0	23/23	-93.5
		MCS13	18/18	-58.0
	802.11be, EHT80	MCS0	23/23	-90.0
		MCS13	18/18	-57.5
	802.11be, EHT160	MCS0	23/23	-87.5
		MCS13	17/17	-55.0

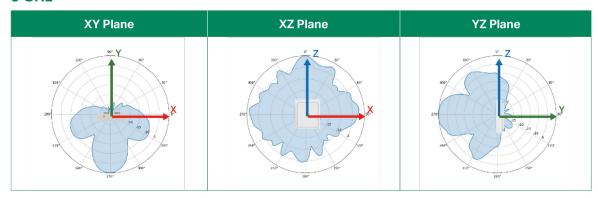
# **Antenna Radiation Patterns**

### **Internal Antenna**

### 2.4 GHz

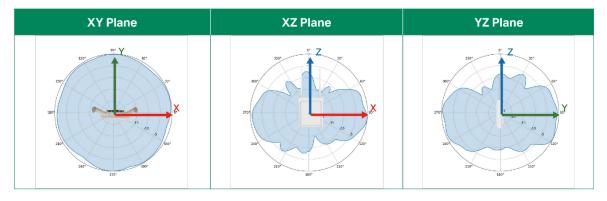


### 5 GHz

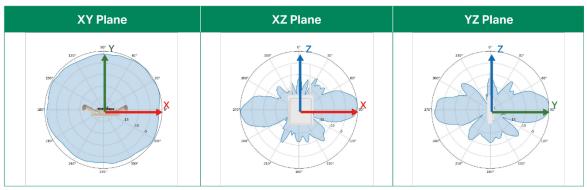


### **External Antenna**

#### 2.4 GHz



### 5 GHz



# **Package Contents**

Item	Quantity
EAP725-Outdoor	1
Waterproof Kit	1
Mounting Kit	1
Installation Guide	1

# **Support Services**

We are committed to providing you with comprehensive and reliable support services to ensure seamless experience with Omada products.

- Contact Support: https://support.omadanetworks.com/#contact-us
- Warranty Services: https://www.omadanetworks.com/support/replacement-warranty/

# **Revision History**

Version	Date	Description
V1.0	2025-09-19	Initial release.

© 2025 TP-Link

<sup>&</sup>lt;sup>†</sup>Maximum wireless signal rates are the physical rates derived from IEEE Standard 802.11 specifications. Actual wireless data throughput and wireless coverage are not guaranteed and will vary as a result of network conditions, client limitations, and environmental factors, including building materials, obstacles, volume and density of traffic, and client location.

<sup>&</sup>lt;sup>^</sup>Omada Mesh, Seamless Roaming, Captive Portal, and Cloud Access require the use of an Omada controller. Please refer to the User Guides of Omada controllers for configuration methods.

<sup>\*</sup>Use of Wi-Fi 7 (802.11be), Wi-Fi 6 (802.11ax), and features, including Multi-Link Operation (MLO), 240 MHz Bandwidth, 160 MHz Bandwidth, 4K-QAM, Multi-RUs, and OFDMA, requires clients to also support the corresponding features.

<sup>\*\*</sup>Switching antenna modes via an Omada Controller requires version 6.1 or above.

<sup>\*</sup> Some models featured in this guide may be unavailable in your country or region. Visit TP-Link website for local sales information: https://www.omadanetworks.com. Specifications are subject to change without notice.