Omada by tp-link

Datasheet



Omada BE11000(US) / BE9300(EU) Tri-Band Ceiling Mount Wi-Fi 7 Access Point

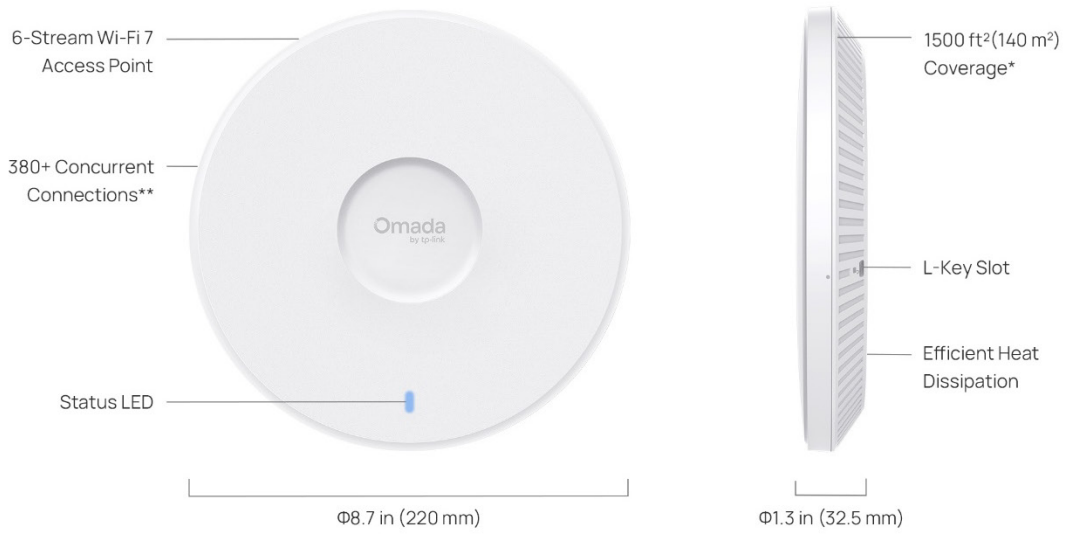
Model: EAP772

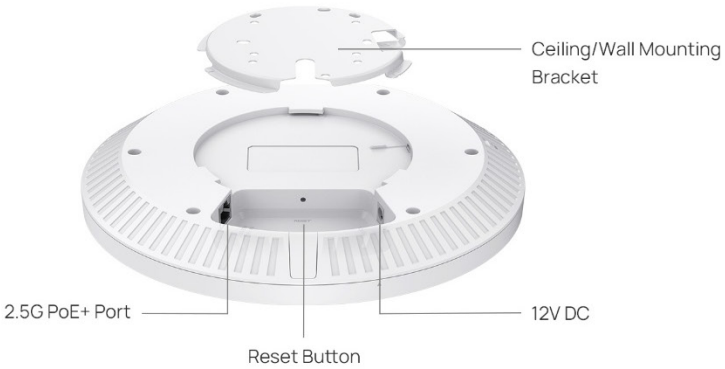
Product Overview

Omada EAP772 delivers high-speed, low-latency wireless performance with enhanced multi-user efficiency, meeting the demands of modern businesses.

- 6-Stream Tri-Band Wi-Fi 7: Up to 11.0 Gbps for the US and up to 9.3 Gbps for the EU.†
- Long-Range 6 GHz Coverage with AFC: Unlock stronger signals and wider 6 GHz coverage through AFC.#
- 1× 2.5G Port: Ensures fast connectivity throughout the network.
- Low Latency and Interference: 320MHz Bandwidth, Multi-Link Operation, Multi-Rus, and 4K -QAM ensure high performance of your network.‡
- Flexible Deployment and Easy Setup: Supports both 802.3at PoE and DC Power supply for flexible installation. Omada SDN for one-click setup.
- Advanced Features: Supports centralized management, Mesh, and Seamless Roaming.△
- More Capacity and Wider Coverage: Supports 380+ concurrent clients* and covers up to 1500 ft² (140 m²)** for reliable and extensive wireless connectivity.

Product Appearance



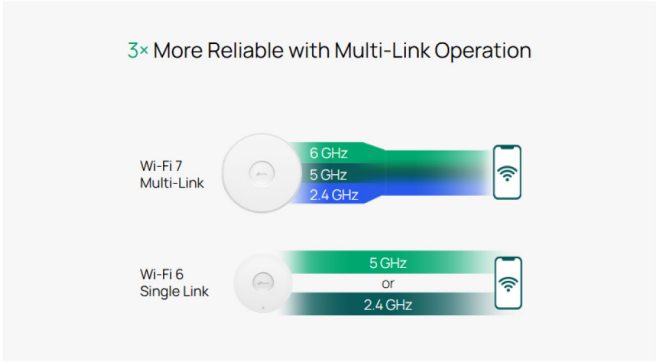


*The actual capacity depends on the wireless environment and client traffic and is generally less than the maximum number of client connections.
**Coverage value is calculated based on laboratory testing. Actual coverage is not guaranteed and will vary as a result of client limitations and environmental factors.

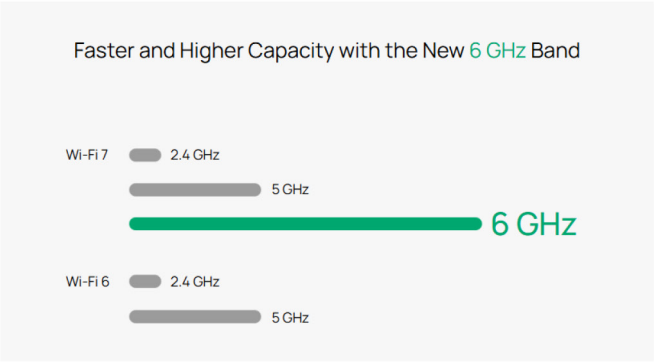
Feature Descriptions

Omada Wi-Fi 7 Technology: Swifter, Smoother, Stronger

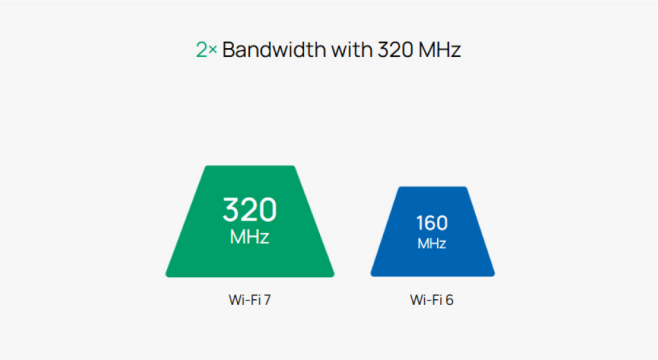
Featuring superb Wi-Fi 7 technologies including Multi-Link Operation, 6 GHz, 320 MHz Bandwidth, 4K-QAM, and Multi-RUs, Omada EAP772 significantly enhances throughput, connection stability, and concurrent capacity, ensuring faster and higher quality connections for more devices.



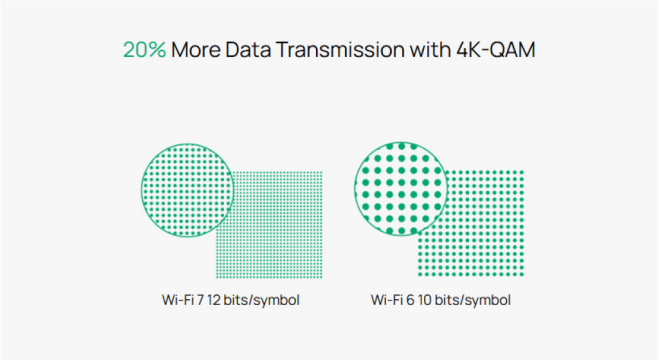
Wi-Fi 6 devices primarily rely on a single link for data transmission. In contrast, Wi-Fi 7 introduces Multi-Link Operation (MLO), enabling devices to utilize multiple links simultaneously, thereby achieving higher throughput, lower latency, and improved reliability.



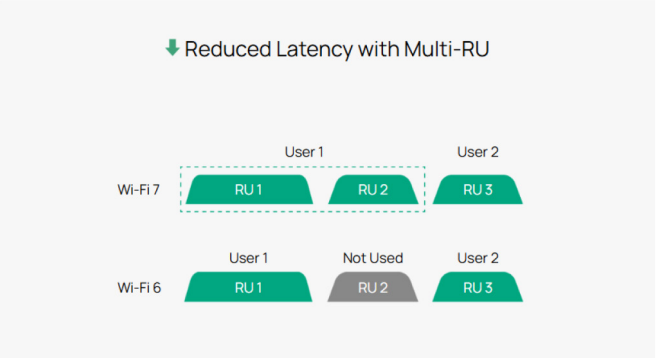
The new 6 GHz band offers a larger spectrum and cleaner channels compared to traditional bands, delivering higher capacity, faster connectivity, and less interference.



With 320 MHz ultra-wide channels, Wi-Fi 7 doubles the bandwidth of Wi-Fi 6's 160 MHz and the number of subcarriers, delivering dramatically higher data transfer rates.



4096-QAM enables each symbol to carry 12 bits instead of 10, increasing theoretical transmission rates by 20% compared to Wi-Fi 6's 1024-QAM. This higher transmission rate boosts data throughput, delivering enhanced speeds and improved network reliability.



Wi-Fi 6 restricts each user to a single resource unit (RU), limiting spectrum flexibility. Wi-Fi 7 overcomes this limitation by allowing multiple RUs to be allocated to a single user and enabling RU aggregation, improving data throughput and spectral efficiency.

Long-Range 6 GHz Coverage with AFC

With AFC support, EAP772 safely accesses additional 6 GHz spectrum, intelligently selecting and managing Wi-Fi channels to reduce interference and maximize spectrum efficiency. This enables stronger signals, wider coverage, and more stable connections in high-demand indoor environments, delivering improved performance for all connected devices.

[#] AFC availability varies by region and country. For supported areas, please visit: https://www.omadanetworks.com/support/faq/4373/

Optimized Wired Performance with 2.5G PoE+ Port

With a 2.5 Gigabit Ethernet Port, EAP772 delivers remarkable multi-gigabit performance for higher bandwidth and faster Wi-Fi. Compatibility with 802.3at PoE is ideal for flexible deployment.

Easy Setup via the Omada App or Web Browser, Powered by SDN.

The SDN supports quickly set up the EAP772 through automatic device identification and one-click adoption. Access convenient configuration and on-the-go management via the Omada app or web browser.

Boosted Network Security

EAP772 offers advanced security features, including a secure guest network with up to 24 SSIDs, SMS login for enhanced business authentication, WPA3 encryption for worry-free open public access, and rogue AP detection, ensuring safer and more reliable network experiences for both guests and business operations.

Cloud-Based Centralized Management

As part of Omada's unified SDN ecosystem, the EAP772 works harmoniously 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.

Specifications

Hardware Specifications

Item	Description	
Wi-Fi Standards	6 GHz: IEEE 802.11ax/be 5 GHz: IEEE 802.11a/n/ac/ax/be 2.4 GHz: IEEE 802.11b/g/n/ax/be	
802.11be	Spatial Streams	• 2.4 GHz: 2×2 Uplink/Downlink with 2 spatial streams • 5 GHz: 2×2 Uplink/Downlink with 2 spatial streams • 6 GHz: 2×2 Uplink/Downlink with 2 spatial streams • Support MU-MIMO
	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 5.945 to 6.425 GHz U-NII-5 6.425 to 6.525 GHz U-NII-6 6.525 to 6.875 GHz U-NII-7 6.875 to 7.125 GHz U-NII-8 Note: Country-Specific Restriction Apply
	Bandwidth	2.4 GHz: 20 MHz/40 MHz 5 GHz: 20 MHz/40 MHz/80 MHz/160 MHz/240 MHz 6 GHz: 20 MHz/40 MHz/80 MHz/160 MHz/320 MHz Note: Country-Specific Restriction Apply
	Wireless Data Rate	2.4 GHz + 5 GHz + 6 GHz:10777 Mbps • 2.4 GHz: 8.6 Mbps to 688 Mbps (MCS0-MCS13, NSS=1 to 2, EHT20/40) • 5 GHz: 8.6 Mbps to 4324 Mbps (MCS0-MCS13, NSS=1 to 2, EHT20/40/80/160/240) • 6 GHz: 8.6 Mbps to 5765 Mbps (MCS0-MCS13, NSS=1 to 2, EHT20/40/80/160/320)
	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	• A-MPDU (Aggregate MAC Protocol Data Unit) for Tx/Rx • A-MSDU (Aggregate MAC Service Data Unit) for Tx/Rx

Item	Description	
	Others	• Preamble Puncturing • BSS Coloring • MLO (Multi-Link Operation) • TWT (Target Wake Time) • MRC (Maximal Ratio Combining) • TxBF (Transmit Beamforming) • WPA3 (Wi-Fi Protect Access 3) • DFS (Dynamic Frequency Selection) • CDD (Cycle Delay Diversity) • CSD (Cycle Shift Diversity) • STBC (Space-Time Block Coding) • LDPC (Low-Density Parity-Check)
802.11ax	Spatial Streams	• 2.4 GHz: 2×2 Uplink/Downlink with 2 spatial streams • 5 GHz: 2×2 Uplink/Downlink with 2 spatial streams • 6 GHz: 2×2 Uplink/Downlink with 2 spatial streams • Support MU-MIMO
	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 5.945 to 6.425 GHz U-NII-5 6.425 to 6.525 GHz U-NII-6 6.525 to 6.875 GHz U-NII-7 6.875 to 7.125 GHz U-NII-8 Note: Country-Specific Restriction Apply
	Bandwidth	2.4 GHz: 20 MHz/40 MHz 5 GHz: 20 MHz/40 MHz/80 MHz/160 MHz 6 GHz: 20 MHz/40 MHz/80 MHz/160 MHz Note: Country-Specific Restriction Apply
	Wireless Data Rate	• 2.4 GHz: 8.6 Mbps to 574 Mbps (MCS0-MCS11, NSS=1 to 2, HE20/40) • 5 GHz: 8.6 Mbps to 2402 Mbps (MCS0-MCS11, NSS=1 to 2, HE20/40/80/160) • 6 GHz: 8.6 Mbps to 2402 Mbps (MCS0-MCS11, NSS=1 to 2, HE20/40/80/160) Note: Country-Specific Restriction Apply
	Radio Technology	Uplink/downlink OFDMA (Orthogonal Frequency-Division Multiple Access)
	Modulation Type	1024-QAM, 256-QAM. 64-QAM, 16-QAM, QPSK, BPSK
	Frame Aggregation	• A-MPDU (Aggregate MAC Protocol Data Unit) for Tx/Rx • A-MSDU (Aggregate MAC Service Data Unit) for Tx/Rx

Item	Description	
	Others	• TWT (Target Wake Time) • MRC (Maximal Ratio Combining) • TxBF (Transmit Beamforming) • WPA3 (Wi-Fi Protect Access 3) • DFS (Dynamic Frequency Selection) • CDD (Cycle Delay Diversity) • CSD (Cycle Shift Diversity) • STBC (Space-Time Block Coding) • LDPC (Low-Density Parity-Check)
802.11ac	Spatial Streams	• 5 GHz: 2×2 Uplink/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
	Bandwidth	5 GHz: 20 MHz/40 MHz/80 MHz/160 MHz
	Wireless Data Rate	• 5 GHz: 6.5 Mbps to 1733 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	• A-MPDU (Aggregate MAC Protocol Data Unit) for Tx/Rx • A-MSDU (Aggregate MAC Service Data Unit) for Tx/Rx
	Others	• MRC (Maximal Ratio Combining) • TxBF (Transmit Beamforming) DFS (Dynamic Frequency Selection) • CDD (Cycle Delay Diversity) • CSD (Cycle Shift Diversity) • STBC (Space-Time Block Coding) • LDPC (Low-Density Parity-Check)
802.11n	Spatial Streams	• 2.4 GHz: 2×2 MIMO with 2 spatial streams • 5 GHz: 2×2 MIMO with 2 spatial streams
	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
	Wireless Data Rate	• 2.4 GHz: 6.5 Mbps to 300 Mbps (MCS0-MCS7, NSS=1 to 2, HT20/40) • 5 GHz: 6.5 Mbps to 300 Mbps (MCS0-MCS7, NSS=1 to 2, HT20/40)
	Radio Technology	OFDM (Orthogonal Frequency-Division Multiplexing)

<table>
<tr><th>Item</th><th colspan="2">Description</th></tr>
<tr><td rowspan="3"></td><td>Modulation Type</td><td>64-QAM, 16-QAM, QPSK, BPSK</td></tr>
<tr><td>Frame Aggregation</td><td>• A-MPDU (Aggregate MAC Protocol Data Unit) for Tx/Rx
• A-MSDU (Aggregate MAC Service Data Unit) for Tx/Rx</td></tr>
<tr><td>Others</td><td>• MRC (Maximal Ratio Combining)
• TxBF (Transmit Beamforming)
• DFS (Dynamic Frequency Selection)
• CDD (Cycle Delay Diversity)
• CSD (Cycle Shift Diversity)
• STBC (Space-Time Block Coding)
• LDPC (Low-Density Parity-Check)</td></tr>
<tr><td rowspan="2">Antenna</td><td>Wi-Fi</td><td>• 2.4 GHz: 2 × 4.5 dBi (peak gain), onboard omnidirectional antennas
• 5 GHz: 2 × 7 dBi (peak gain), onboard omnidirectional antennas
• 6 GHz: 2 × 7 dBi (peak gain), onboard omnidirectional antennas
Note: The gains above are the single-antenna peak gains.</td></tr>
<tr><td>IoT</td><td>• Bluetooth: 1 × 5 dBi (peak gain), onboard omnidirectional antennas</td></tr>
<tr><td>Interfaces</td><td colspan="2">• 1 x 10M/100M/1000M/2.5Gbps Multigigabit Ethernet Port (RJ45); PoE in
• 1 x 1 DC power interface: 12VDC</td></tr>
<tr><td>IoT</td><td colspan="2">BLE 5.2, 1Mbps</td></tr>
<tr><td>Memory</td><td colspan="2">• Flash: 1024Mbit
• DRAM: 8192Mbit</td></tr>
<tr><td>Button</td><td colspan="2">1 × Reset button: Press the button for longer than 5 seconds to make the device restore to factory settings.</td></tr>
<tr><td>Indicator</td><td colspan="2">1 × blue system LED indicates on the front:
<table>
<tr><td>LED status</td><td>indication</td></tr>
<tr><td>blue</td><td>Power-on status</td></tr>
<tr><td>Flash twice and then stay blue</td><td>Initialization is completed</td></tr>
<tr><td>Flashing blue</td><td>Firmware update</td></tr>
<tr><td>flashing blue 5 times</td><td>reset the device</td></tr>
<tr><td>Quickly flashing blue</td><td>Locate the device</td></tr>
<tr><td>Slowly flashing blue</td><td>The device is in an isolated state.</td></tr>
</table></td></tr>
<tr><td>Reliability</td><td>MTBF (Mean Time between Failure)</td><td>US:
439532 hours at the operating temperature of 25℃ (77℉)
260044 hours at the operating temperature of 40℃ (104℉)
EU:
507468 hours at the operating temperature of 25℃ (77℉)
313905 hours at the operating temperature of 40℃ (104℉)</td></tr>
<tr><td rowspan="2">Power Supply</td><td>Input</td><td>802.3at PoE+: 42.5 - 57 V, 0.6A
12VDC/2A</td></tr>
<tr><td>Output</td><td>/</td></tr>
</table>

Item	Description	
Power Consumption	2.4GHz radio 2x2, 5GHz radio 2x2, 6GHz radio 2x2, wired link rate can be up to 2.5Gbps, etc: • 802.3at (PoE+): 25.21W (US); 23.39W (EU) • DC: 22.69W (US); 21.05W (EU) Idle Mode: 12.20W (PoE); 12.10W (DC)	
Surge/Lightning Protection	Ethernet Ports: ±4 kV	
ESD/EMP Protection	• Air discharge: ±8 kV • Contact discharge: ±4 kV Note: ESD/EMP Protection means Electrostatic Discharge/Electromagnetic Pulse Protection independently.	
Tx Power	Maximum transmit power	CE (EIRP) • 2.4 GHz: 20 dBm • 5 GHz: 23 dBm in U-NII-1, 23 dBm in U-NII-2A, 28 dBm in U-NII-2C, • 6 GHz: 23 dBm FCC (Conducted Power) • 2.4 GHz: 25 dBm • 5 GHz: 25 dBm in U-NII-1, 24 dBm in U-NII-2A, 24 dBm in U-NII-2C, 25 dBm in U-NII-3 • 6 GHz: 25 dBm Note: MIMO combined power, excluding antenna gains. The actual transmit power depends on local laws and regulations.
	Minimum transmit power	CE (EIRP) • 2.4 GHz: 6 dBm • 5 GHz: 6 dBm in U-NII-1, 6 dBm in U-NII-2A, 6 dBm in U-NII-2C, 7 dBm in U-NII-3 • 6 GHz: 6 dBm 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 • 6 GHz: 4 dBm Note: MIMO combined power, excluding antenna gains. The actual transmit power depends on local laws and regulations.
	Adjustable power increment	1 dBm
Environment	Temperature	• Operating: -30℃ to +45℃ (-22℉ to +113℉) • Storage: -40℃ to +70℃ (-40℉ to +158℉)
	Humidity	• Operating: 10% to 95% (non-condensing) • Storage: 5% to 95% (non-condensing)
	Altitude	• Storage: up to + 2000 m (6561 feet) • Operating: up to + 2000 m (6561 feet)
Unit	Dimensions (W×D×H)	• Main Unit: 220 × 220 × 32.5 mm (8.7 × 8.7× 1.3 in.) • Shipping Unit: 540 × 300 × 290 mm (21.3 × 11.8 × 11.4 in.)

Item	Description	
	Weight	• Main Unit: 0.72 kg (1.59 lb) • Mounting Bracket: 0.05 kg (0.11 lb) • Shipping Unit: 8.2 kg (18.07 lb)
	Mounting	• Ceiling/Wall Mounting (Kits included) • Junction Box Mounting (Kits included) • T-Bar Mounting (Kits included)

Software Specifications

Item	Description	
Wireless Functions	Maximum number of BSSIDs	24 (8 on each band)
	Maximum number of associated STAs	380+
	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 Schedule/RRM	Yes
	WIDS/WIPS	No
	Lock to AP	Yes
	Prohibit Wi-Fi Sharing	Yes
	EoGRE Tunnel	Yes
	VLAN Pool	Yes
	Hotspot 2.0	Yes
	Rate Limit	• SSID Rate Limit • Client Rate Limit
	Load Balance	• Maximum Associated Clients • RSSI Threshold
	MLO	• 2.4 GHz+5 GHz • 2.4 GHz+6 GHz • 5 GHz+6 GHz • 2.4 GHz+5 GHz+6 GHz

Item	Description	
	Roaming	• 802.11 k • 802.11v • 802.11r • Non-Stick Roaming • Ping-Pong Roaming Suppression • AI Roaming Note: Only support Layer 2 Roaming currently.
	Multicast/Broadcast Management	• Multicast-to-Unicast Conversion • ARP-to-Unicast Conversation • Multicast Filtering • Multicast/Broadcast Rate Limit
	QoS (Quality of Service)	• WMM (Wi-Fi Multimedia) • DSCP (Differentiated Services Code Point) • U-APSD (Unscheduled Automatic Power Save Delivery)
Security and Authentication	ACL	
	MAC Filter	
	802.1X Authentication	
	MAC-Based Authentication	
	• None • Enhanced Open • WPA/WPA2/WPA3-Personal • WPA/WPA2/WPA3-Enterprise	
	Radius Accounting	
	• PPSK without Radius • PPSK with Radius (Generic Radius with bound MAC/EKMS/Generic Radius with unbound MAC)	
	Captive Portal	• No Authentication • Simple Password • Hotspot (Voucher / Local User / SMS / RADIUS / Form Auth) • RADIUS Server • External LDAP Server • External Portal Server • Pre-Authentication Access • Authentication-Free Client

Item	Description	
	EAP Types	• EAP-TLS • EAP-TTLS • EAP-PEAP • EAP-CHAP • EAP-SIM • EAP-AKA • EAP-GTC • EAP-FAST • EAP-PEAP • EAP-MD5 • EAP-MSCHAPv2 • PEAPv0 • PEAPv1
Management methods	Omada Controller	• Omada Controller v6.2.14 and above • Omada Essential v6.2.14 and above
	App	Omada app v5.4
	Standalone Management	Yes
	Standalone Mesh	Yes
	SSH	Yes
	SNMP	v1, v2c, v3
Operating Modes	AP	Yes
	Repeater	No
	Mesh	Yes
System Feature	System Log	Yes
	Reboot Schedule	Yes
	WLAN Schedule	Yes
	NTP (Network Time Protocol)	Yes
	Email Alerts	Yes
	Firmware Upgrade	Yes
	Restore & Backup	Yes
	LED Control	Yes
Network Features	VLAN	• SSID VLAN • Dynamic VLAN • Management VLAN
	Static IP / DHCP Client	Yes
	IPv4/IPv6	Yes
	LLDP (Link Layer Discovery Protocol)	Yes

Item	Description	
	mDNS	Yes
	Tools	• Ping / Traceroute / DNSLookup / ARP Table • Packet Capture • Terminal • Bluetooth Console

Standards Compliance and Certifications

Item	Category	Description
Standards compliance	IEEE Standards	• IEEE 802.11a/b/g/n/ac/ax/be • IEEE 802.11e/i/k/v/r • IEEE 802.1x/q • IEEE 802.3at • IEEE 802.3ab • IEEE 802.3bz • IEEE 802.3x
	Radio Standards	• ETSI EN 300 328 • ETSI EN 301 893 • EN 303 413 • EN 303 687 • EN 50385 EN50665 EN IEC 62311 • FCC Part 15E • RSS-247, RSS-GEN • LP0002 • FCC Part 15C
	EMC standards	• EN 55032 • EN 55035 • EN 301489-1 • EN 301489-17 • EN 301489-19 • FCC Part 15B • ICES-003 issue7 • CNS 15936
	Safety Standards	• EN IEC 62368-1 • CNS 15598-1
	Security Standards	• WPA-Personal/Enterprise • WPA2-Personal/Enterprise • WPA3-Personal/Enterprise • OWE
	RoHS	• Directive 2011/65/EU, Directive (EU) 2015/863 • EN IEC 63000: 2018
	Others	• Equipment Radio Regulations: 2008 (including amendments) • VCCI-CISPR 32
Certifications	• Wi-Fi Alliance: Wi-Fi 7 (R1), Wi-Fi 6 (R2), Wi-Fi 6E, WPA3-R3, WPA3-Suite B, Enhanced Open Security • FCC/CE/NCC/VCCI/JRF/BSMI/WFA	

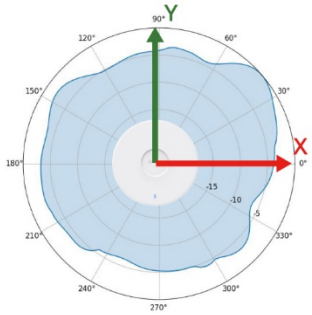
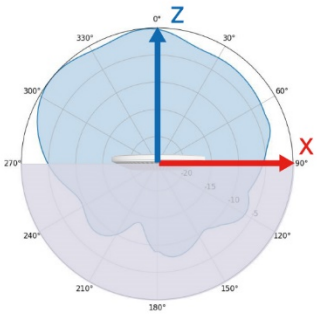
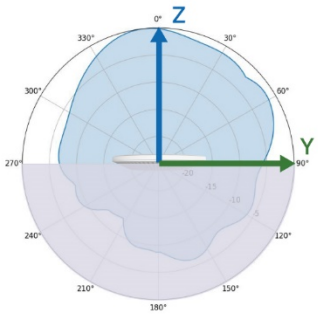
RF Performance

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
2.4 GHz	802.11n, HT20	MCS0	14/22	-96
		MCS7	14/22	-78
	802.11n, HT40	MCS0	14/22	-93
		MCS7	14/22	-75
	802.11ax, HE20	MCS0	14/22	-96
		MCS11	14/20	-66.5
	802.11ax, HE40	MCS0	14/22	-93
		MCS11	14/20	-64
5 GHz	802.11n, HT20	MCS0	22/22	-94
		MCS7	20/20	-75
	802.11n, HT40	MCS0	22/22	-91
		MCS7	20/20	-72
	802.11ac, HT20	MCS0	22/22	-94
		MCS7	20/20	-75
	802.11ac, HT40	MCS0	22/22	-91.5
		MCS9	19/19	-66
	802.11ac, HT80	MCS0	22/22	-89
		MCS9	19/19	-63
	802.11ax, HE20	MCS0	22/22	-94
		MCS11	18/18	-66
	802.11ax, HE40	MCS0	22/22	-91
		MCS11	18/18	-64
	802.11ax, HE80	MCS0	22/22	-89
		MCS11	18/18	-61
	802.11ax, HE160	MCS0	22/22	-86
		MCS11	18/18	-60
	802.11be, EHT20	MCS0	22/22	-94
		MCS13	17/17	-63
	802.11be, EHT40	MCS0	22/22	-90.5

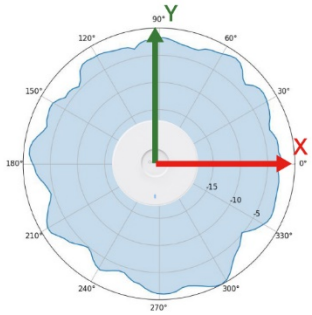
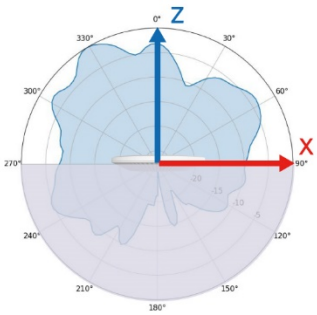
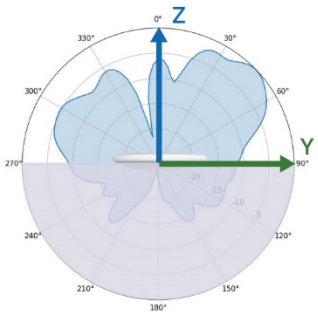
Frequency Band	Wi-Fi Protocol & Bandwidth	MCS Index / Data Rate	EU/US Maximum Transmit Power (dBm) per transmit chain	Receiver Sensitivity (dBm) per receive chain
		MCS13	17/17	-60
	802.11be, EHT80	MCS0	22/22	-88
		MCS13	17/17	-57.5
	802.11be, EHT160	MCS0	22/22	-85
		MCS13	17/17	-55.5
6 GHz	802.11ax, HE20	MCS0	17/21	-93
		MCS11	17/18	-65
	802.11ax, HE40	MCS0	17/21	-90
		MCS11	17/18	-62
	802.11ax, HE80	MCS0	17/21	-87.5
		MCS11	17/17	-59
	802.11ax, HE160	MCS0	17/21	-85
		MCS11	17/17	-58
	802.11be, EHT20	MCS0	17/21	-93
		MCS13	17/17	-63
	802.11be, EHT40	MCS0	17/21	-90
		MCS13	17/17	-60
	802.11be, EHT80	MCS0	17/21	-87.5
		MCS13	17/17	-57.5
	802.11be, EHT160	MCS0	17/21	-84
		MCS13	16/16	-55
	802.11be, EHT320	MCS0	17/21	-81.5
		MCS13	15/15	-52.5

Antenna Radiation Patterns

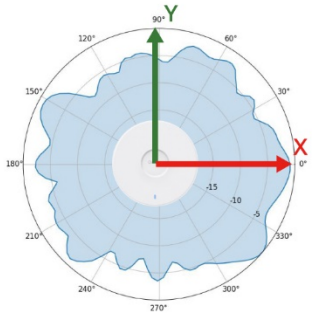
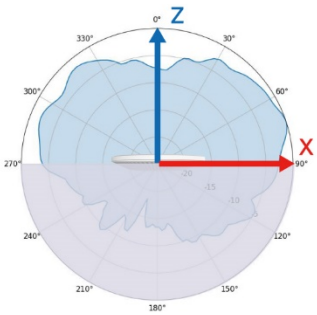
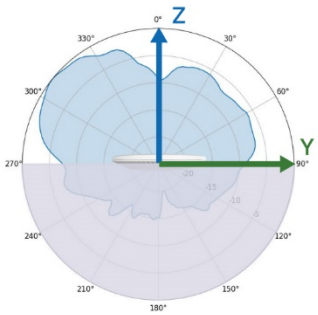
2.4 GHz

XY Plane	XZ Plane	YZ Plane
		

5 GHz

XY Plane	XZ Plane	YZ Plane
		

6 GHz

XY Plane	XZ Plane	YZ Plane
		

Package Contents

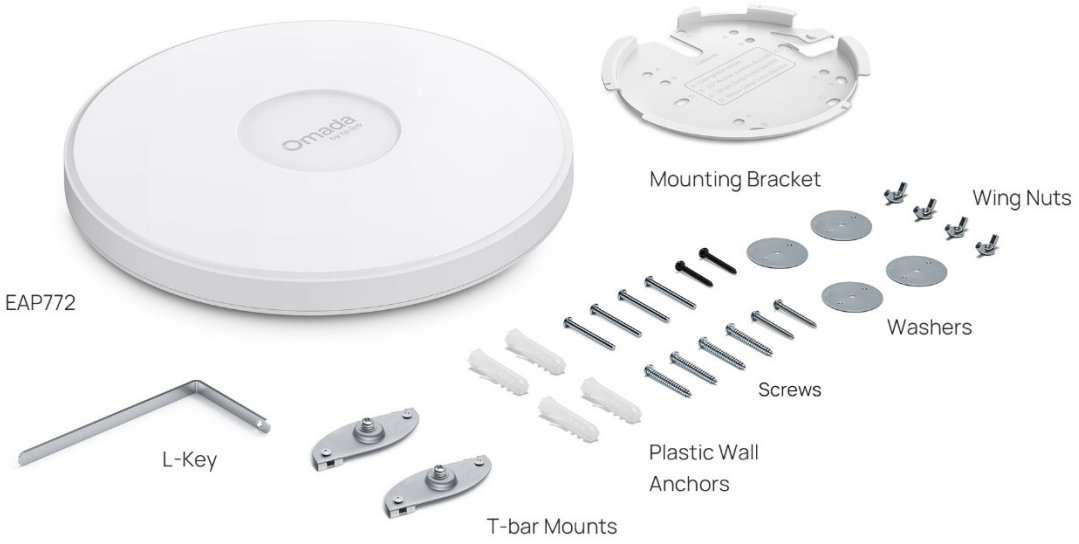
Item	Quantity
EAP772	1
Installation Guide	1
Mounting Kit	1

US:



*The accessories may vary by country/region. Please refer to the actual product.

EU:



*The accessories may vary by country/region. Please refer to the actual product.

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	2026-11-12	Initial release.

[#] AFC availability varies by region and country. For supported areas, please visit: https://www.omadanetworks.com/support/faq/4373/

[†] 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 160 MHz and 240 MHz bandwidths or the 320 MHz bandwidth might not be available on the 5 GHz band or the 6 GHz band, respectively, 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), Wi-Fi 6 (802.11ax), and features including Multi-Link Operation (MLO), 160 MHz Bandwidth, 4K-QAM, Multi-RUs, OFDMA, and MU-MIMO requires clients to also support the corresponding features.

[*] 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.

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

[△] 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.

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.

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