



Omada AX5400
Wall Plate
Wi-Fi 6 Extender

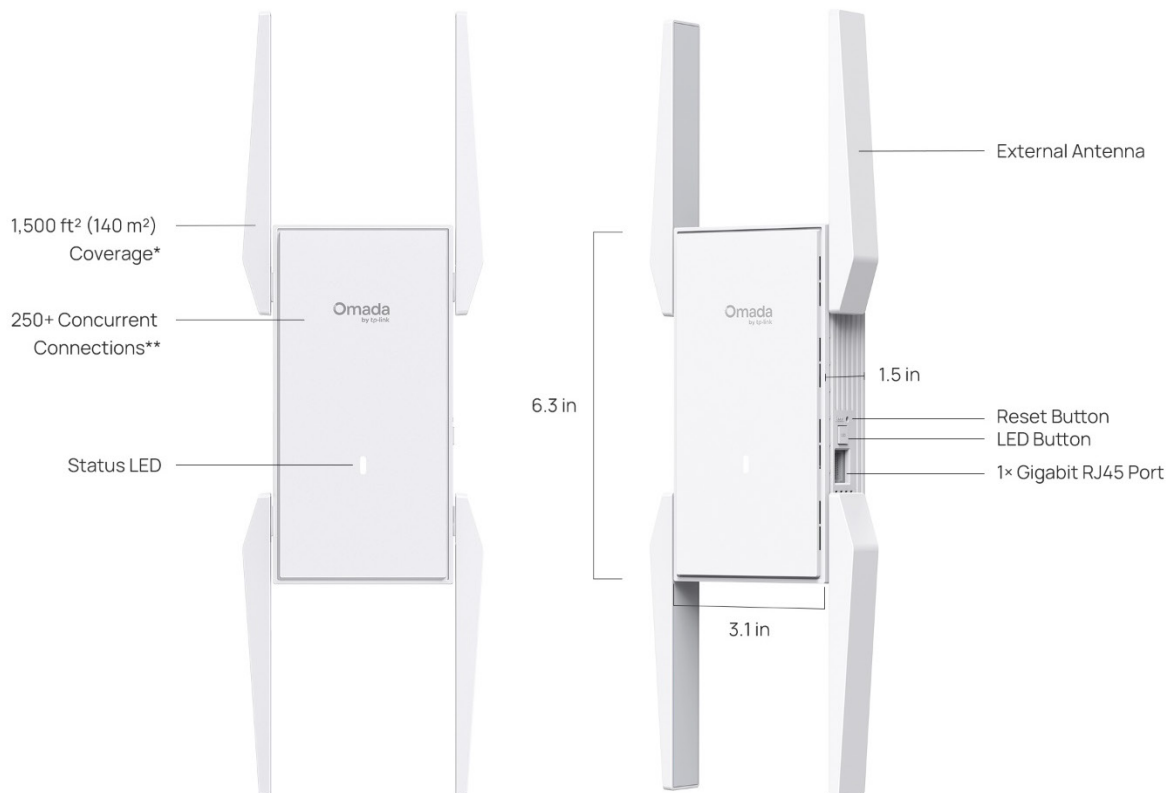
Model: EAP673-Extender

Product Overview

EAP673-Extender is a high-performance AX5400 Wi-Fi 6 mesh extender featuring flexible, plug-and-play deployment. It is designed to eliminate signal dead zones with seamless, reliable coverage for offices, retail, hotels, MDUs, and more.

- **Seamless 5.4 Gbps Wi-Fi 6 Speeds:** 4,804 Mbps on 5 GHz and 574 Mbps on 2.4 GHz.[†]
- **Wi-Fi Dead-Zone Killer:** 4× high-gain external antennas help eliminate dead zones.
- **Seamless Mesh Networking:** Supports Omada mesh and roaming for reliable, seamless networking.[§]
- **Low Latency and Interference:** 160 MHz bandwidth, OFDMA, MU-MIMO, and 1024-QAM ensure high performance for your network.[‡]
- **Easy & Quick Deployment:** Standard AC power supply for flexible installation with Omada SDN for one-click setup.
- **AP Mode:** Simply plug in an Ethernet cable to create a new Wi-Fi AP.
- **More Connections and Wider Coverage:** Supports 250+ concurrent connections** and covers up to 1,500 ft² (140 m²)* for reliable and extensive wireless connectivity.

Product Appearance



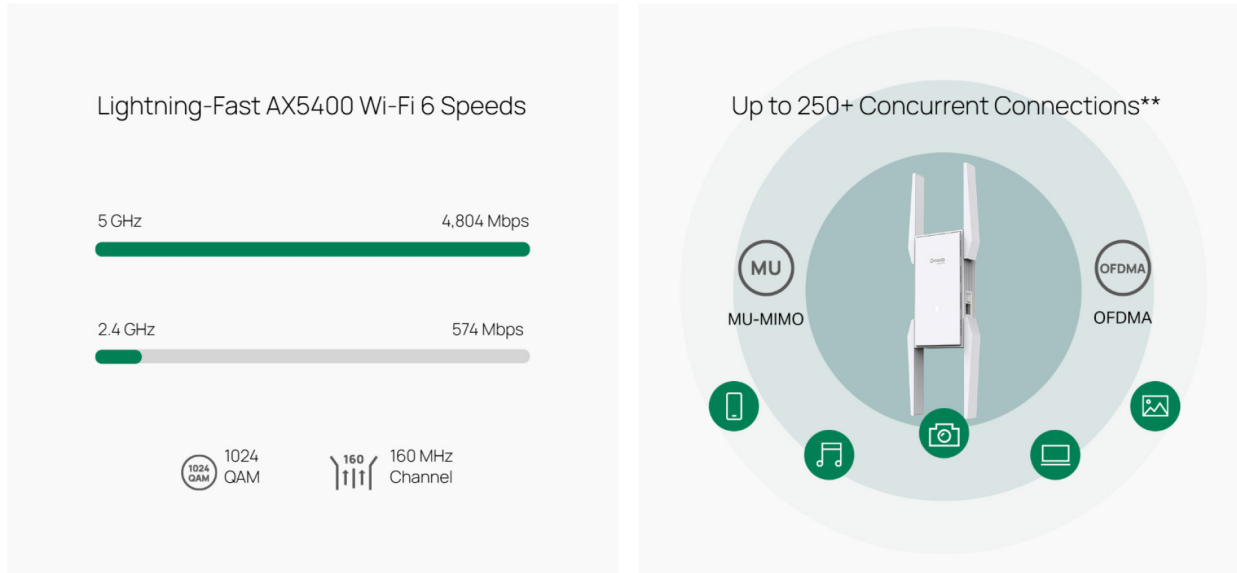
*Coverage is calculated based on laboratory testing. Actual coverage is not guaranteed and will vary as a result of client limitations and environmental factors.

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

Feature Descriptions

Omada Wi-Fi 6 Technology for Blazing-Fast Networking

Featuring Wi-Fi 6 technologies, including 160 MHz bandwidth, OFDMA, MU-MIMO, and 1024-QAM, Omada EAP673-Extender enables fast speeds and low latency—ideal for seamless streaming, gaming, and multitasking across multiple devices. Compared to Wi-Fi 5, it offers 25% higher data rates through 1024-QAM modulation.



Seamless Coverage to Eliminate Dead Zones

Equipped with four high-gain antennas, EAP673-Extender expands coverage by up to 1,500 ft² (140 m²). Integrated Omada mesh and 802.11k/v/r roaming ensure users enjoy uninterrupted streaming as they move, automatically switching devices to the optimal signal for a seamless experience.

Plug-and-Play Convenience with AC Power

Standard AC power provides a true plug-and-play solution without the need for additional power cables. Simply plug the device into any standard outlet for instant network expansion, effectively overcoming cabling challenges and simplifying setup.

Effortless Deployment via Built-In AP Mode

The built-in AP mode delivers a robust Wi-Fi signal without requiring PoE switches or infrastructure renovations, ensuring maximum deployment flexibility while significantly reducing installation costs.

Easy Setup via the Omada App or Web Browser

Omada Software-Defined Networking (SDN) enables rapid setup of EAP673-Extender through auto-discovery and one-click adoption. Manage and configure seamlessly via the Omada app or web portal for effortless control.

Cloud-Based Centralized Management

As part of Omada's unified SDN ecosystem, EAP673-Extender 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.

Specifications

Hardware Specifications

Item	Description	
Wi-Fi Standards	5 GHz: IEEE 802.11a/n/ac/ax 2.4 GHz: IEEE 802.11b/g/n/ax	
802.11ax	Spatial Streams	<ul style="list-style-type: none"> 2.4 GHz: 2×2 Uplink/Downlink MU-MIMO with 2 spatial streams 5 GHz: 4×4 Uplink/Downlink MU-MIMO with 4 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	2.4 GHz: 20 MHz/40 MHz 5 GHz: 20 MHz/40 MHz/80 MHz/160MHz *Note: Country-Specific Restriction Apply
	Wireless Data Rate	<ul style="list-style-type: none"> 2.4 GHz: 8.6 Mbps to 574 Mbps (MCS0-MCS11, NSS=1 to 2, HE20/40) 5 GHz: 8.6 Mbps to 4804 Mbps (MCS0-MCS11, NSS=1 to 4, 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	<ul style="list-style-type: none"> A-MPDU (Aggregate MAC Protocol Data Unit) for Tx/Rx A-MSDU (Aggregate MAC Service Data Unit) for Tx/Rx
	Others	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 5 GHz: 4×4 Downlink MU-MIMO with 4 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/160MHz
	Wireless Data Rate	<ul style="list-style-type: none"> 5 GHz: 6.5Mbps to 4333.3Mbps (MCS0-MCS11, NSS=1 to 4, VHT20/40/80/160)

Item	Description	
	Radio Technology	OFDM (Orthogonal Frequency-Division Multiplexing)
	Modulation Type	256-QAM, 64-QAM, 16-QAM, QPSK, BPSK
	Frame Aggregation	<ul style="list-style-type: none"> A-MPDU (Aggregate MAC Protocol Data Unit) for Tx/Rx A-MSDU (Aggregate MAC Service Data Unit) for Tx/Rx
	Others	<ul style="list-style-type: none"> 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)
802.11n	Spatial Streams	<ul style="list-style-type: none"> 2.4 GHz: 2×2 MIMO with 2 spatial streams 5 GHz: 4×4 MIMO with 4 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	<ul style="list-style-type: none"> 2.4 GHz: 6.5Mbps to 300 Mbps (MCS0-MCS7, NSS=1 to 2, HT20/40) 5 GHz: 6.5Mbps to 600 Mbps (MCS0-MCS7, NSS=1 to 4, HT20/40)
	Radio Technology	OFDM (Orthogonal Frequency-Division Multiplexing)
	Modulation Type	64-QAM, 16-QAM, QPSK, BPSK
	Frame Aggregation	<ul style="list-style-type: none"> A-MPDU (Aggregate MAC Protocol Data Unit) for Tx/Rx A-MSDU (Aggregate MAC Service Data Unit) for Tx/Rx
Antenna	Wi-Fi	<ul style="list-style-type: none"> 2.4 GHz: 2 × 5 dBi external omnidirectional antennas 5 GHz: 4 × 6 dBi external omnidirectional antennas
Interfaces	<ul style="list-style-type: none"> 1 x 10M/100M/1000M Ethernet Port (RJ45); 	
IoT	<ul style="list-style-type: none"> BLE5.2,1Mbps 	

Item	Description	
Memory	<ul style="list-style-type: none"> Flash: 1Gbit DRAM: 4Gbit 	
Button	1 × Reset button: Press the button for longer than 5 seconds to make the device restore to factory settings. 1 × LED Button	
Indicator	1 × white system LED indicates on the front: <ul style="list-style-type: none"> Power-on status Firmware initialization or upgrade status Uplink service status Error status 	
Reliability	MTBF (Mean Time between Failure)	EU:121925 hours at the operating temperature of 25°C (77°F) ; US: 101525 hours at the operating temperature of 25°C (77°F)
Power Supply	Input	100-240V ~ 50/60Hz
	Output	/
Power Consumption	<ul style="list-style-type: none"> 16.5W ,2.4GHz radio 2×2, 5GHz radio 4×4. Idle mode: 6.7W 	
Surge/Lightning Protection	Ethernet Ports: ±2 kV	
ESD/EMP Protection	<ul style="list-style-type: none"> Air discharge: ±8 kV Contact discharge: ±4 kV <p><i>*Note: ESD/EMP Protection means Electrostatic Discharge/Electromagnetic Pulse Protection independently.</i></p>	
Tx Power	Maximum transmit power	CE (EIRP) <ul style="list-style-type: none"> 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 FCC (Conducted Power) <ul style="list-style-type: none"> 2.4 GHz: 25 dBm 5 GHz: 28 dBm in U-NII-1, 28 dBm in U-NII-2A, 28 dBm in U-NII-2C,28 dBm in U-NII-3 <p><i>*Note: MIMO combined power, excluding antenna gains. The actual transmit power depends on local laws and regulations.</i></p>
	Minimum transmit power	CE (EIRP) <ul style="list-style-type: none"> 2.4 GHz: 7 dBm 5 GHz: 9 dBm in U-NII-1, 9 dBm in U-NII-2A, 9 dBm in U-NII-2C FCC (Conducted Power) <ul style="list-style-type: none"> 2.4 GHz: 4 dBm 5 GHz: 7 dBm in U-NII-1, 7 dBm in U-NII-2A, 7 dBm in U-NII-2C, 7 dBm in U-NII-3 <p><i>*Note: MIMO combined power, excluding antenna gains. The actual transmit power depends on local laws and regulations.</i></p>
	Adjustable power increment	1 dB

Item	Description	
Environment	Temperature	<ul style="list-style-type: none"> • Operating: 0°C to +40°C (32°F to +104°F) • Storage: -40°C to +70°C (-40°F to +158°F)
	Humidity	<ul style="list-style-type: none"> • Operating: 10% to 90% (non-condensing) • Storage: 5% to 90% (non-condensing)
	Altitude	<ul style="list-style-type: none"> • Storage: up to + 2000 m (6561feet) • Operating: up to + 2000 m (6561feet)
Unit	Dimensions (WxDxH)	<ul style="list-style-type: none"> • Main Unit: 160 × 80 × 37.8 mm (6.3 × 3.1 × 1.5 in.) • Shipping Unit: 140 × 119 × 203.5 mm (5.5 × 4.7 × 8 in.)
	Weight	<ul style="list-style-type: none"> • Main Unit: 0.44 kg (0.97 lbs) • Shipping Unit: 0.62 kg (1.37 lbs)
	Mounting	<ul style="list-style-type: none"> • Plug-in Wall Mounting

Software Specifications

Item	Description	
Wireless Functions	Maximum number of BSSIDs	16 (8 on each band)
	Maximum number of associated STAs	250+
	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	No
	WLAN Optimization	Yes
	WIDS/WIPS	No
	Lock to AP	Yes
	Rate Limit	<ul style="list-style-type: none"> • SSID Rate Limit • Client Rate Limit
	Load Balance	<ul style="list-style-type: none"> • Maximum Associated Clients • RSSI Threshold
Roaming	<ul style="list-style-type: none"> • 802.11 k • 802.11v • 802.11r • Non-Stick Roaming • Ping-Pong Roaming Suppression • AI Roaming <p><i>*Note: Only support Layer 2 Roaming currently.</i></p>	
Multicast/Broadcast Management	<ul style="list-style-type: none"> • Multicast-to-Unicast Conversion • ARP-to-Unicast Conversation • Multicast Filtering • Multicast/Broadcast Rate Limit 	
QoS (Quality of Service)	<ul style="list-style-type: none"> • WMM (Wi-Fi Multimedia) • DSCP (Differentiated Services Code Point) 	

Item	Description	
		<ul style="list-style-type: none"> U-APSD (Unscheduled Automatic Power Save Delivery)
	Others	<ul style="list-style-type: none"> EoGRE Tunnel Zero-Wait DFS
Security and Authentication	ACL	
	MAC Filter	
	802.1X Authentication	
	MAC-Based Authentication	
	<ul style="list-style-type: none"> None Enhanced Open WPA/WPA2/WPA3-Personal WPA/WPA2/WPA3-Enterprise 	
	Radius Accounting	
	<ul style="list-style-type: none"> PPSK without Radius PPSK with Radius (Generic Radius with bound MAC/EKMS/Generic Radius with unbound MAC) 	
	Captive Portal	<ul style="list-style-type: none"> No Authentication Simple Password Hotspot (Voucher / Local User / SMS / RADIUS / Form Auth) RADIUS Server External Portal Server Pre-Authentication Access Authentication-Free Client
	EAP Types	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Omada Controller V5.14.25 and above

Item	Description	
		<ul style="list-style-type: none"> • Omada Essential V5.14.25 and above
	App	Omada App V4.24 and above
	Standalone Management	Yes
	Standalone Mesh	Yes
	SSH	Yes
	SNMP	v1, v2c, v3
Operating Modes	AP	Yes
	Repeater	Yes
	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	<ul style="list-style-type: none"> • SSID VLAN • Dynamic VLAN • Management VLAN
	Static IP / DHCP Client	Yes
	IPv4/IPv6	Yes
	LLDP (Link Layer Discovery Protocol)	Yes
	mDNS	Yes
	Tools	<ul style="list-style-type: none"> • Ping / Traceroute / DNSLookup • Packet Capture • Terminal

Standards Compliance and Certifications

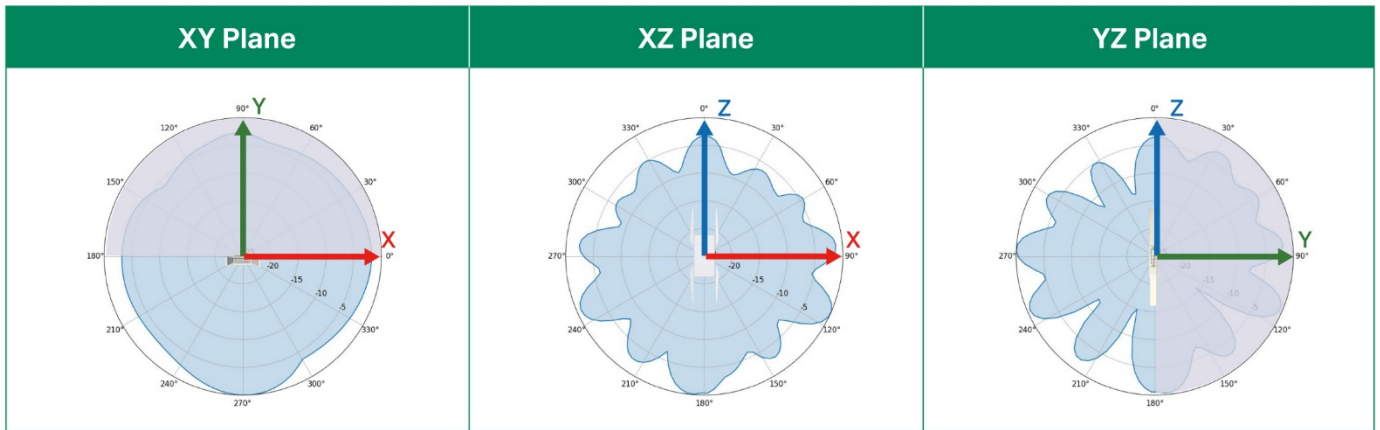
Item	Category	Description
Standards compliance	IEEE Standards	<ul style="list-style-type: none"> • IEEE 802.11a/b/g/n/ac/ax • IEEE 802.11e/i/k/v/r • IEEE 802.1x/q • IEEE 802.3at • IEEE 802.3ab • IEEE 802.3bz • IEEE 802.3x
	Radio Standards	<ul style="list-style-type: none"> • ETSI EN 300 328 • ETSI EN 301 893 • EN IEC 62311 • FCC Part 15E • FCC Part 15C • AS/NZS 4268:2017+A1:2021 • RSS-247, RSS-GEN
	EMC standards	<ul style="list-style-type: none"> • EN 55032 • EN 55035 • EN 301489-1 • EN 301489-17 • FCC Part 15B • ICES-003 issue7 • AS/NZS CISPR 32
	Safety Standards	<ul style="list-style-type: none"> • EN 62368-1 • IEC 62368-1 • AS/NZS 62368.1:2022
	RoHS	<ul style="list-style-type: none"> • Directive 2011/65/EU, Directive (EU) 2015/863 • EN IEC 63000: 2018
	Others	<ul style="list-style-type: none"> • Equipment Radio Regulations: 2008 (including amendments) • VCCI-CISPR 32
	Certifications	<ul style="list-style-type: none"> • FCC/CE/VCCI/JRF/SAA/RCM

RF Performance

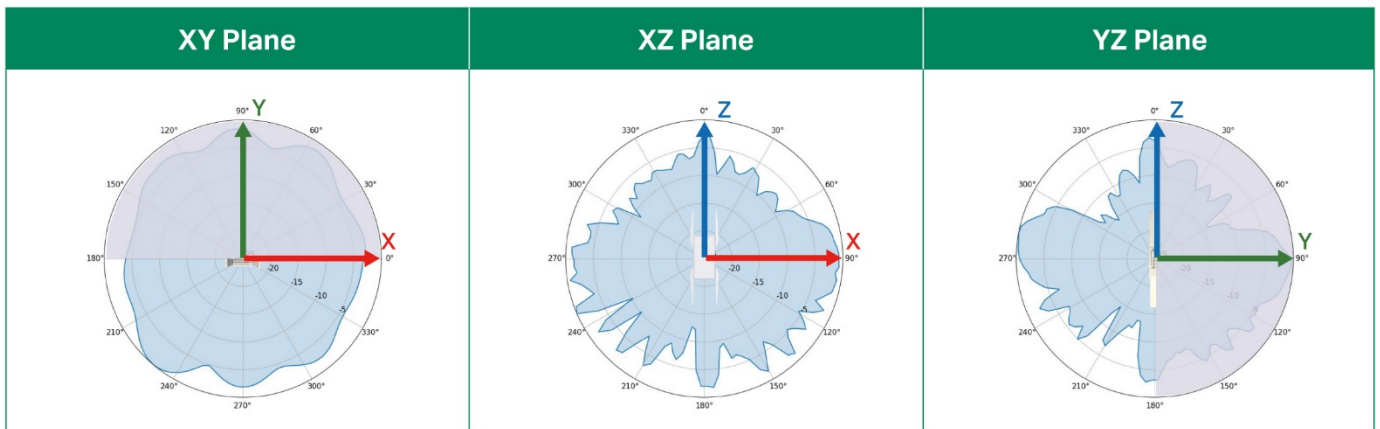
Frequency Band	Wi-Fi Protocol & Bandwidth	MCS Index / Data Rate	EU/US Maximum Transmit Power (dBm) per transmit chain	Receiver Sensitivity (dBm) per receive chain
2.4 GHz	802.11n, HT20	MCS0	14/22	-96
		MCS7	14/18	-77
	802.11n, HT40	MCS0	14/20	-93
		MCS7	14/18	-74
	802.11ax, HE20	MCS0	14/22	-95
		MCS11	14/16	-65
	802.11ax, HE40	MCS0	14/20	-92
		MCS11	14/16	-62
5 GHz	802.11n, HT20	MCS0	22/22	-94
		MCS7	19/19	-75
	802.11n, HT40	MCS0	22/22	-91
		MCS7	19/19	-71.5
	802.11ac, VHT20	MCS0	22/22	-94
		MCS8	18.5/18.5	-75
	802.11ac, VHT40	MCS0	22/22	-91
		MCS9	18/18	-66
	802.11ac, VHT80	MCS0	22/22	-87.5
		MCS9	18/18	-62
	802.11ax, HE20	MCS0	22/22	-95
		MCS11	17/17	-66
	802.11ax, HE40	MCS0	22/22	-92
		MCS11	17/17	-63
	802.11ax, HE80	MCS0	22/22	-89
		MCS11	17/17	-60

Antenna Radiation Patterns

2.4 GHz



5 GHz



Package Contents

Item	Quantity
EAP673-Extender	1
Installation Guide	1



Product only, no additional accessories included.

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	2026-06-17	Initial release.

†Maximum wireless signal rates are the physical rates derived from IEEE Standard 802.11 specifications. 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 6 (802.11ax) and features including 160 MHz bandwidth, OFDMA, MU-MIMO, and 1024-QAM requires clients to also support the corresponding features. The 160 MHz bandwidth is only available on the 5 GHz band and may be unavailable in some regions/countries due to regulatory restrictions.

§These features require the use of an Omada controller.

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

**Coverage is calculated based on laboratory testing. Actual coverage 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.omadanetworks.com>. Specifications are subject to change without notice.