



Omada Campus
BE22000 (US) / BE19000 (EU)
Tri-Band Ceiling Mount
Wi-Fi 7 Access Point

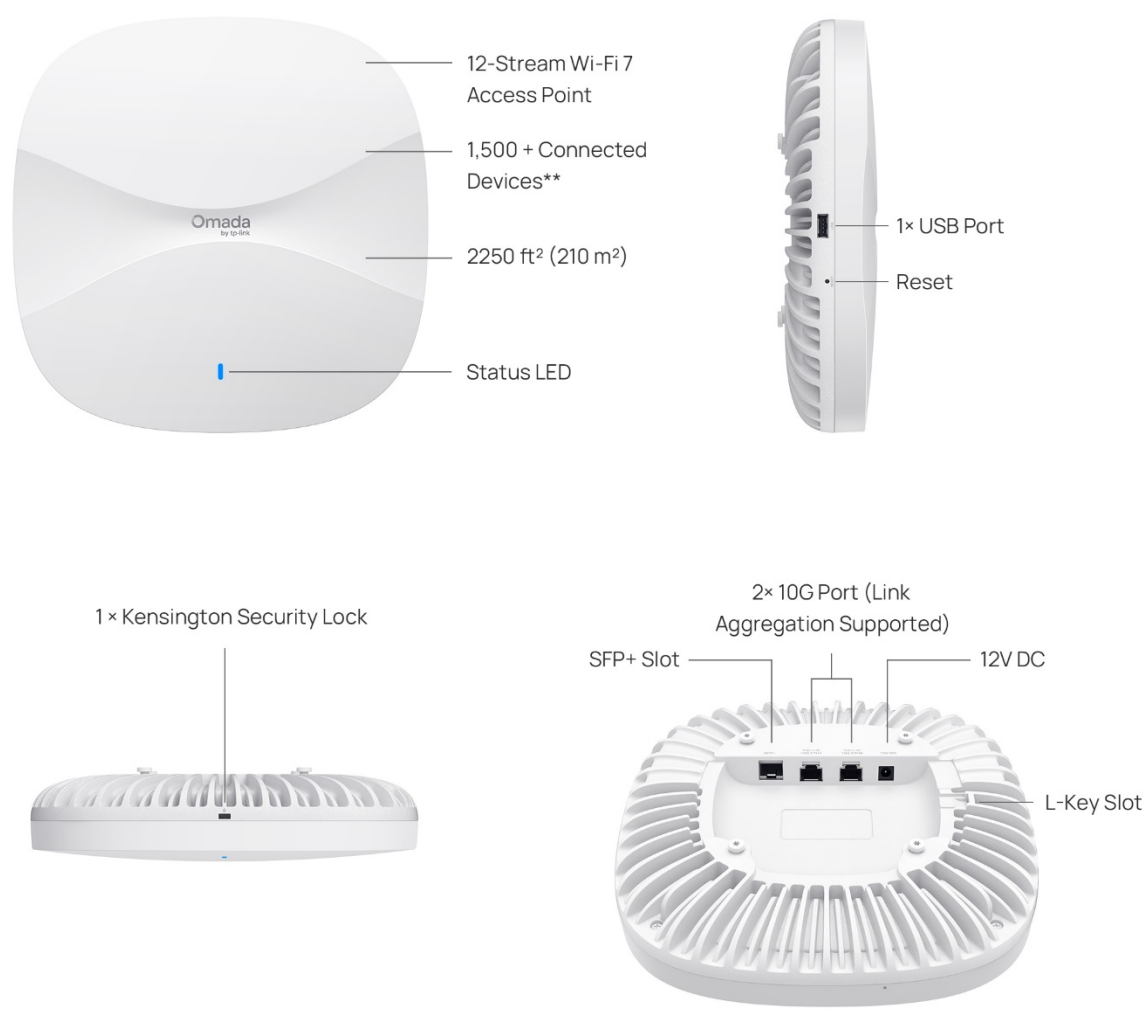
Model: AP9788

Product Overview

Designed for general campus networking environments, AP9788 is a flagship Campus Access Point engineered to deliver unprecedented wireless performance and robust reliability. Built to handle ultra-high-density scenarios, it is the ideal choice for corporate campuses, higher education institutions, and large-scale venues demanding flawless connectivity.

- **Up to 1,500+ Concurrent Clients:** Supports industry-leading capacity, ensuring seamless connectivity in ultra-high-density scenarios.*
- **12-Stream Tri-Band Wi-Fi 7:** Maximizes aggregate network throughput, drastically reducing latency and guaranteeing reliability.
- **Smart Antennas:** Dynamically adjusts antenna tilt and switches patterns in real-time, optimizing coverage and guaranteeing optimal signals for moving clients.
- **High-Availability Dual 10G Port:** Supports Link Aggregation (LAG), delivering an aggregated uplink capacity of up to 20 Gbps.**
- **Dual PoE Power Redundancy:** Designed for zero-downtime operations, providing seamless, sub-second power failover to guarantee uninterrupted connectivity.
- **Adaptive WLAN Optimization:** Enables fast deployment by automatically optimizing channel assignments and transmit power to adapt to dynamic RF environments.†
- **Dedicated RF Scanning:** Provides real-time situational awareness to mitigate RF interference and neutralize security threats, without impacting network performance.†
- **Enterprise-Grade Traffic Optimization:** Combines load balancing, rate control, and multicast optimization to allocate resources efficiently, prevent bandwidth monopolization, and ensure seamless high-density traffic delivery.†
- **Rugged Environmental Tolerance:** Maintains unwavering performance across a wider temperature range of -22 °F to 122 °F (-30 °C to 50 °C).

Product Appearance



Feature Descriptions

Unprecedented Capacity & Throughput

Powered by a 12-stream tri-band architecture, AP9788 shatters traditional wireless bottlenecks by maximizing aggregate throughput and drastically reducing latency. This massive airtime capacity seamlessly accommodates up to 1,500+ concurrent clients, ensuring connectivity even during peak utilization periods.*

Smart Antennas

Driven by the seamless integration of hardware design and intelligent software algorithms, the AP automatically adjusts antenna tilt and patterns on the 5 GHz band to fit deployment density and client location. A steeper tilt reduces interference in dense environments, while a shallower tilt extends coverage in sparse deployments. By continuously analyzing client movement, the AP dynamically selects and switches between multiple built-in antenna combinations, ensuring the optimal signal pattern in real-time.

Versatile Connectivity Options

Engineered to eliminate multi-gigabit bottlenecks, AP9788 features dual 10G RJ45 ports with Link Aggregation support, delivering up to 20 Gbps of non-blocking backhaul.** Complementing this is a dedicated 10G SFP+ slot for long-haul, zero-interference fiber uplinks, ensuring seamless integration into varied enterprise infrastructures. Furthermore, a versatile USB port facilitates rapid IoT module expansion or local out-of-band management.

Flexible Power with High Reliability

Designed for maximum deployment flexibility, AP9788 supports DC power or single/dual PoE, enabling seamless installation in diverse environments. Crucially, dual PoE support provides essential power redundancy, ensuring uninterrupted network operation and mission-critical reliability even if one power source fails.

Dedicated RF Scanning†

Equipped with Dedicated RF Scanning, AP9788 provides professional-grade spectrum analysis without impacting client traffic. It enables real-time identification of interference sources and channel congestion. Combined with advanced over-the-air packet capture, it significantly enhances network troubleshooting capabilities. By detecting and addressing interference, Dedicated RF Scanning guarantees a secure, stable, and high-quality wireless environment for enterprise networks.

Enterprise-Grade Traffic & Airtime Optimization†

Advanced Load Balancing distributes clients to prevent network congestion, while Rate Control blocks low-speed devices to preserve valuable airtime for critical tasks. Combined with optimized Multicast Management, it streamlines heavy traffic for uninterrupted delivery without wasting airtime.

Adaptive WLAN Optimization†

Continuously monitors the RF environment to maintain optimal performance. Upon detecting environmental changes, such as the addition of a new AP or the presence of strong interference, the system automatically performs targeted, localized scanning and optimization. This dynamic adjustment process effectively mitigates disruptions, maximizing overall network efficiency and capacity.

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: 4×4 Uplink/Downlink MU-MIMO with 4 spatial streams 5 GHz: 4×4 Uplink/Downlink MU-MIMO with 4 spatial streams 6 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 6.105 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: 21552 Mbps 2.4 GHz: 8.6 Mbps to 1376 Mbps (MCS0-MCS13, NSS=1 to 4, EHT20/40) 5 GHz: 8.6 Mbps to 8648 Mbps (MCS0-MCS13, NSS=1 to 4, EHT20/40/80/160/240) 6 GHz: 8.6 Mbps to 11528 Mbps (MCS0-MCS13, NSS=1 to 4, 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: 4×4 Uplink/Downlink MU-MIMO with 4 spatial streams • 5 GHz: 4×4 Uplink/Downlink MU-MIMO with 4 spatial streams • 6 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 6.105 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 1147 Mbps (MCS0-MCS11, NSS=1 to 4, HE20/40) • 5 GHz: 8.6 Mbps to 4804 Mbps (MCS0-MCS11, NSS=1 to 4, HE20/40/80/160) • 6 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	• 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: 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/80/160 MHz
	Wireless Data Rate	5 GHz: 6.5 Mbps to 3467 Mbps (MCS0-MCS9, NSS=1 to 4, 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: 4×4 MIMO with 4 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	2.4 GHz: 6.5 Mbps to 600 Mbps (MCS0-MCS7, NSS=1 to 4, HT20/40) 5 GHz: 6.5 Mbps to 600 Mbps (MCS0-MCS7, NSS=1 to 4, HT20/40)
	Radio Technology	OFDM (Orthogonal Frequency-Division Multiplexing)

Item	Description	
	Modulation Type	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)
Antenna	Wi-Fi	2.4 GHz: 4 × 6.29 dBi (peak gain), Internal antenna module 5 GHz: 4 × 7.02 dBi (peak gain) for antenna mode 1, 4 × 7.42 dBi (peak gain) for antenna mode 2, Internal smart antenna module 6 GHz: 4 × 7.51 dBi (peak gain), Internal antenna module Note: The gains above are the single-antenna peak gains.
	IoT	Bluetooth: 1 × 6.52 dBi (peak gain), Internal antenna module
Interfaces	2 × 100M/1000M/2.5Gbps/5Gbps/10Gbps Multigigabit Ethernet Port (RJ45); PoE in 1 × 1 DC power interface: 12VDC 1 × 1Gbps/10Gbps SFP+ interface 1 × USB2.0 ,Type A interface 1 × Kensington Security Lock	
IoT	BLE 6.0, 1Mbps	
Memory	- Flash: 2048Mbit - DRAM: 2 × 8192Mbit	
Button	1 × Reset button: Press the button for longer than 5 seconds to make the device restore to factory settings.	
Indicator	1 × blue system LED indicate on the front:	
	LED status	Indication
	On	Power-on status
	Flash twice and then stay blue	Initialization is completed
	Flashing blue	Firmware update
	Flashing blue 5 times	Reset the device
	Quickly flashing blue	Locate the device
	Slowly flashing blue	The device is in an isolated state.
Reliability	MTBF (Mean Time between Failure)	236000 hours at the operating temperature of 25°C (77°F)
Power Supply	Input	Single/dual PoE or DC Power Supply: 802.3bt PoE++: 42.5-57 V=1.2A 12VDC/4.5A
	Output	/

Item	Description			
Power Consumption	MODE	POWER CONSUMPTION	SYSTEM CONFIGUTATION	WI-FI RADIOS
	DC POWER OR 802.3BT POE(CLASS6) OR 2*802.3AT POE	51W	2*10Gbps ETH0/ETH1 Enabled Dedicated RF Scanning Enabled BLE Enabled SFP+ Enabled USB2.0 Enabled	2.4GHz(4x4) Tx 22dBm 5GHz(4x4) Tx 22dBm 6GHz(4x4) Tx 21dBm
	802.3BT POE(CLASS6)	40W	2*10Gbps ETH0/ETH1 Enabled Dedicated RF Scanning Enabled BLE Enabled SFP+ Disabled USB2.0 Disabled	2.4GHz(4x4) Tx 21dBm 5GHz(4x4) Tx 21dBm 6GHz(4x4) Tx 20dBm
	1*802.3AF POE+1*802.3AT POE	38.5W	2*10Gbps ETH0/ETH1 Enabled Dedicated RF Scanning Enabled BLE Enabled SFP+ Disabled USB2.0 Disabled	2.4GHz(4x4) Tx 19dBm 5GHz(4x4) Tx 19dBm 6GHz(4x4) Tx 18dBm
	2*802.3AF POE OR 1*802.3AT POE	25.5W	1*2.5Gbps ETH0 Enabled Dedicated RF Scanning Enabled BLE Enabled SFP+ Disabled USB2.0 Disabled	2.4GHz(2x2) Tx 19dBm 5GHz(2x2) Tx 19dBm 6GHz(2x2) Tx 18dBm
	1*802.3AF POE	12.95W	1*1Gbps ETH0 Enabled Dedicated RF Scanning Disabled BLE Disabled SFP+ Disabled USB2.0 Disabled	2.4GHz Disabled 5GHz Disabled 6GHz Disabled
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.			

Item	Description	
Tx Power	Maximum transmit power	CE (EIRP) • 2.4GHz: 20 dBm • 5GHz: 23 dBm in U-NII-1, 23 dBm in U-NII-2A, 30 dBm in U-NII-2C • 6GHz: 23 dBm FCC (conducted power) • 2.4GHz: 28 dBm • 5GHz: 28 dBm in U-NII-1, 24 dBm in U-NII-2A, 24 dBm in U-NII-2C, 28 dBm in U-NII-3 • 6GHz: 28 dBm (SP mode, all bandwidth with AFC); 27dBm (LPI mode, limited by PSD, power varies with bandwidth) Note: MIMO combined power, excluding antenna gains. The actual transmit power depends on local laws and regulations.
	Minimum transmit power	CE (EIRP) • 2.4GHz: 9 dBm • 5GHz: 9 dBm in U-NII-1, 9 dBm in U-NII-2A, 9 dBm in U-NII-2C • 6GHz: 9 dBm FCC (conducted power) • 2.4GHz: 7 dBm • 5GHz: 7 dBm in U-NII-1, 7 dBm in U-NII-2A, 7 dBm in U-NII-2C, 7 dBm in U-NII-3 • 6GHz: 7 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°C to +50°C (-22°F to +122°F) • Storage: -40°C to +70°C (-40°F to +158°F)
	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: 250 × 250 × 55.4 mm (9.8 × 9.8× 2.2 in.) • Shipping Unit: 295 × 285 × 104 mm (11.6 × 11.2× 4.1 in.)
	Weight	• Main Unit: 2.14 kg • Mounting Bracket: 0.128 kg • Shipping Unit: 2.71 kg
	Mounting	• Ceiling /Wall/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	1536 (512 on each band)
	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
	GRE	Yes
	AFC	Yes
	WiFi Calling	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
	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

Item	Description	
		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 - Google Portal
	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 and above

Item	Description	
		Omada Essential v6.2 and above
	App	Omada app v5.2 and above
	Standalone Management	Yes
	Standalone Mesh	Yes
	SSH	Yes
	SNMP	v1, v2, v3
Operating Modes	AP	Yes
	Repeater	No
	Mesh	Yes
System Features	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
	BLE6.0	- iBeacon - IOT - BLE Console
Network Features	VLAN	- SSID VLAN - Dynamic VLAN - Management VLAN
	Static IP / DHCP Client	Yes
	IPv4/IPv6	Yes
	LLDP (Link Layer Discovery Protocol)	Yes
	NAT Traversal	Yes
	mDNS	Yes
	Tools	- Ping / Traceroute / DNSLookup / ARP Table - Packet Capture - Terminal

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 802.3bt • 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/IC/CE/NCC/VCCI/JRF/BSMI/WFA

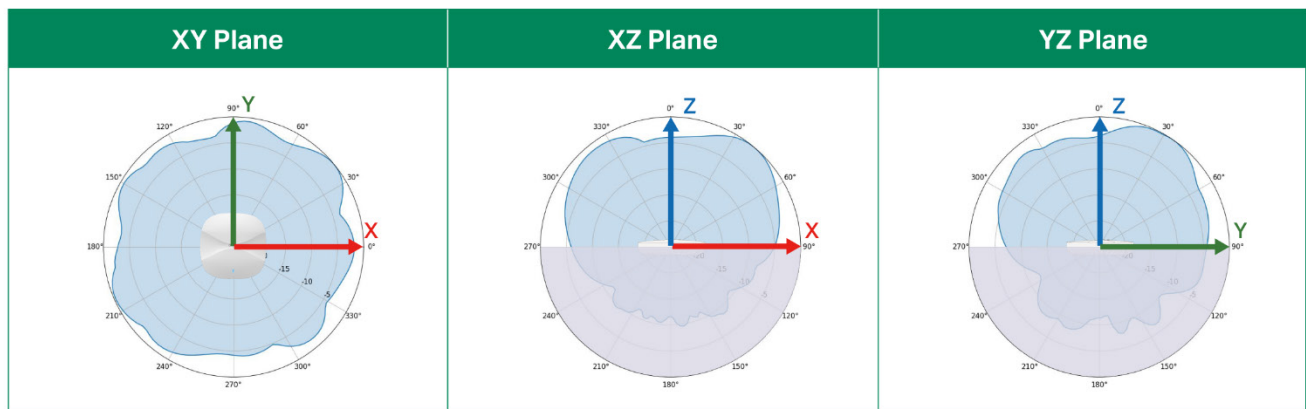
RF Performance

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	12/22	-96
		MCS7	12/22	-78
	802.11n, HT40	MCS0	12/22	-93
		MCS7	12/22	-75
	802.11ax, HE20	MCS0	12/22	-95
		MCS11	12/20	-66
	802.11ax, HE40	MCS0	12/19	-93
		MCS11	12/19	-64
	802.11be, EHT20	MCS0	12/22	-95
		MCS13	12/20	-61
	802.11be, EHT40	MCS0	12/19	-93
		MCS13	12/19	-57
5 GHz	802.11n, HT20	MCS0	22/22	-95
		MCS7	20/20	-76
	802.11n, HT40	MCS0	22/22	-92
		MCS7	20/20	-72
	802.11ac, HT20	MCS0	22/22	-95
		MCS7	20/20	-76
	802.11ac, HT40	MCS0	22/22	-92
		MCS9	19/19	-66
	802.11ac, HT80	MCS0	22/22	-89
		MCS9	19/19	-63
	802.11ax, HE20	MCS0	22/22	-95
		MCS11	18/18	-65
	802.11ax, HE40	MCS0	22/22	-92
		MCS11	18/18	-63
	802.11ax, HE80	MCS0	22/22	-89
		MCS11	18/18	-60
	802.11ax, HE160	MCS0	22/22	-86

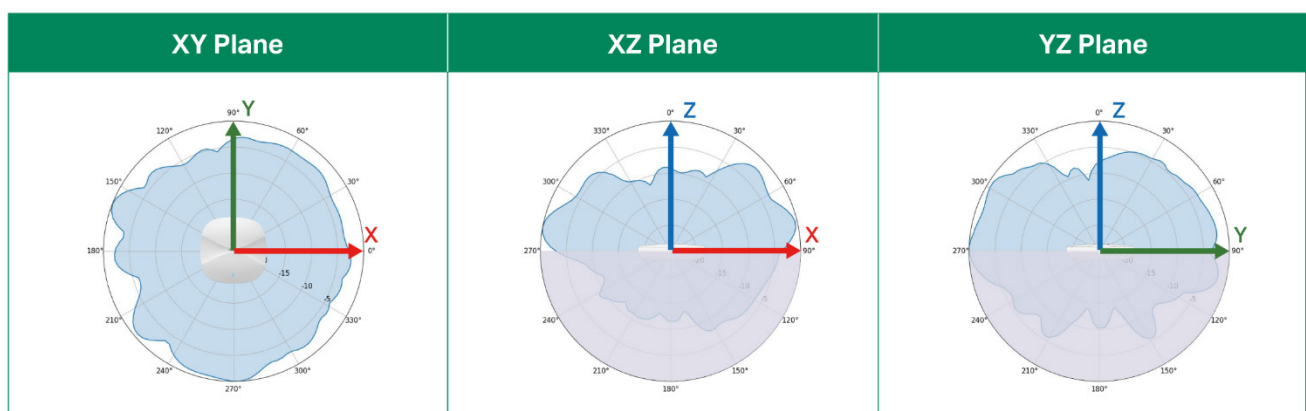
Frequency Band	Wi-Fi Protocol & Bandwidth	MCS Index / Data Rate	EU/US Maximum Transmit Power (dBm) per transmit chain	Receiver Sensitivity (dBm) per receive chain
	802.11be, EHT20	MCS11	18/17	-60
		MCS0	22/22	-95
		MCS13	18/18	-61
	802.11be, EHT40	MCS0	22/22	-92
		MCS13	18/18	-57
	802.11be, EHT80	MCS0	22/22	-89
		MCS13	18/18	-54
	802.11be, EHT160	MCS0	22/22	-86
		MCS13	18/17	-54
	802.11be, EHT240	MCS0	22/22	-83
		MCS13	16/16	-51
6 GHz	802.11ax, HE20	MCS0	15/22	-96
		MCS11	15/18	-63
	802.11ax, HE40	MCS0	15/22	-93
		MCS11	15/18	-61
	802.11ax, HE80	MCS0	15/22	-90
		MCS11	15/18	-58
	802.11ax, HE160	MCS0	15/22	-87
		MCS11	15/18	-58
	802.11be, EHT20	MCS0	15/22	-96
		MCS13	15/17	-60
	802.11be, EHT40	MCS0	15/22	-93
		MCS13	15/17	-57
	802.11be, EHT80	MCS0	15/22	-90
		MCS13	15/17	-54
	802.11be, EHT160	MCS0	15/22	-86
		MCS13	15/17	-54
	802.11be, EHT320	MCS0	15/22	-83
		MCS13	15/15	-54

Antenna Radiation Patterns

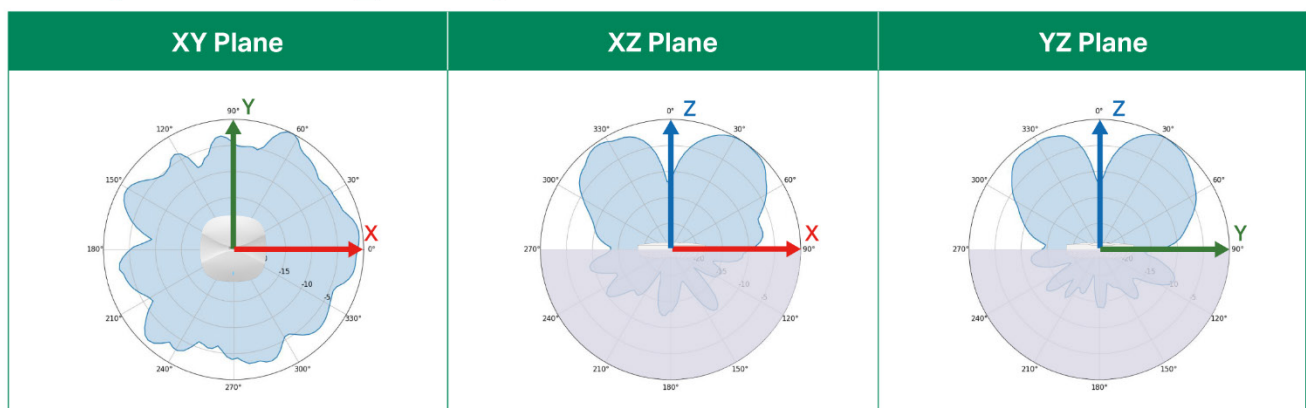
2.4 GHz



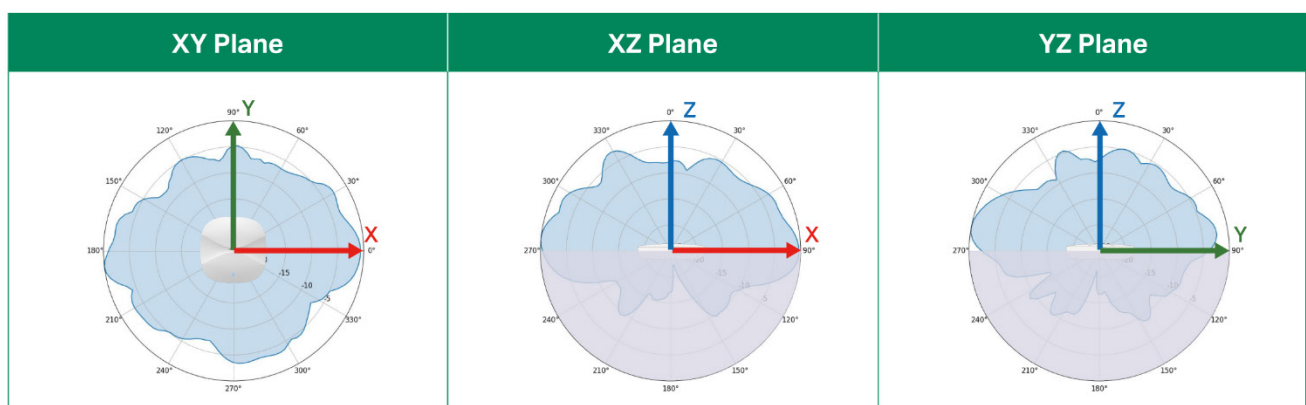
5 GHz (Smart Antenna_Mode 1)



5 GHz (Smart Antenna_Mode 2)



6 GHz



Package Contents

Item	Quantity
AP9788	1
Installation Guide	1
Mounting Kit	2

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	2026-08-26	Initial release.

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

** This feature requires the use of a compatible switch.

† These features require the use of an Omada controller.

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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