

# Punto de Acceso Wi-Fi 7 / BE3600 MU-MIMO 2x2 / 1 Puerto 2.5 Gbps PoE++ / 1 Puerto 2.5 Gbps PoE Pass-through / 2 Puertos 1 Gbps / Mesh / MLO / Montaje en Pared

SKU: EAP775-WALL  Marca: TP-LINK  Categoría: Puntos de Acceso

Garantía: 2 años

**$6,993.85**

Precios con IVA incluido

## DESCRIPCIÓN

Punto de acceso Wi-Fi 7 de montaje en pared diseñado para entornos empresariales que requieren alta densidad de conexiones y estética integrada. Opera en estándar BE3600 con tecnología MU-MIMO 2x2, Multi-Link Operation (MLO) y modulación 4K-QAM para maximizar el rendimiento espectral y reducir la latencia en aplicaciones críticas como videoconferencia y servicios en tiempo real. La arquitectura de radio múltiple permite la simultaneidad de bandas sin degradación de throughput. Incorpora cinco puertos Ethernet: una entrada 2.5 Gbps con soporte PoE++ (802.3bt), un puerto 2.5 Gbps con capacidad PoE pass-through, y tres puertos Gigabit con dos salidas PoE estándar o una salida PoE+ (802.3at), facilitando la expansión de red cableada sin instalaciones eléctricas adicionales. La gestión dual por controlador Omada Software Defined Networking (SDN) o modo autónomo permite despliegues centralizados o configuraciones independientes según la infraestructura existente.

Características Generales
Wi-Fi 7 (802.11be) BE3600, MU-MIMO 2x2
Multi-Link Operation (MLO) para agregación de bandas
Modulación 4K-QAM para mayor eficiencia espectral
1 puerto 2.5 Gbps PoE++ (802.3bt) entrada
1 puerto 2.5 Gbps PoE pass-through
2 puertos 1 Gbps con salida PoE o 1 puerto 1 Gbps con salida PoE+
Función PoE pass-through requiere entrada 802.3bt
Mesh Omada para roaming sin interrupciones
Gestión por controlador Omada SDN o modo Stand-Alone
Diseño de montaje en pared, perfil ultradelgado
Cubierta adicional pintable para integración estética
Cierre antirrobo oculto para fijación segura a ras de pared

Desempeño de Red
Estándar: Wi-Fi 7 (802.11be)
Clase agregada: BE3600
Tecnología MU-MIMO: 2x2
Multi-Link Operation (MLO): Sí
Modulación: 4K-QAM
Mesh: Omada
Modos de gestión: Controlador SDN / Stand-Alone

Conectividad y Alimentación
Puerto entrada: 1 x 2.5 Gbps (PoE++ 802.3bt)
Puerto pass-through: 1 x 2.5 Gbps (PoE)
Puertos salida: 2 x 1 Gbps (PoE) o 1 x 1 Gbps (PoE+ 802.3at)
Requisito PoE pass-through: Entrada 802.3bt obligatoria
Total puertos Ethernet: 5
Montaje: Pared, perfil ultradelgado

Diseño y Seguridad Física
Factor de forma: Montaje en pared
Perfil: Ultradelgado, a ras de pared
Cubierta incluida: Adicional pintable
Integración estética: Compatible con interiores
Seguridad física: Cierre antirrobo oculto

## ESPECIFICACIONES

| | |
|---|---|
| Característica 1 | **Cubierta pintable para integración discreta en interiores** |
| Característica 2 | **Cierre antirrobo oculto para protección física del dispositivo** |
| Característica 3 | **Wi-Fi 7 con MLO y 4K-QAM para rendimiento de red optimizado** |
| Característica 4 | **Diseño ultradelgado de montaje en pared para instalación limpia** |
| Característica 5 | **5 puertos Ethernet con PoE++ de entrada y PoE/PoE+ de salida** |
| Característica 6 | **Gestión flexible por controlador Omada o modo Stand-Alone** |

## MEMORIA TÉCNICA · EAP775-WALL

**Número de parte de esta ficha:** EAP775-WALL. La información corresponde a esta variante.

Datasheet
Omada BE11000(US) / BE9300(EU)
Tri-Band Wall Plate
Wi-Fi 7 Access Point
Model: EAP775-Wall
- 1
Product Overview
EAP775- Wall is Omada’ s first Tri-Band Wi-Fi 7 Wall Plate Access Point, uniquely designed with a paintable cover for seamless aesthetic integration and versatile mounting options for effortless deployment in any environment.
- 6-Stream Tri-Band Wi-Fi 7: 5765 Mbps on 6 GHz, 4324 Mbps on 5 GHz, and 688 Mbps on 2.4 GHz.
†
- Flexible and Aesthetic Integration: Versatile mounting design with a paintable cover included for flexible integration.
- Multiple Ports with PoE Flexibility: 2× 2.5G Ports (1× PoE+/PoE++ In) + 3× Gigabit Ports (2× PoE Out

or 1× PoE+ Out)
- Low Latency and Interference: Multi-Link Operation, Multi-RUs, and 4K-QAM ensure high performance for your network.
‡
- Easy Setup, Easy to Use: Works with Omada SDN for one-click setup.
- Advanced Features: Supports centralized management, mesh, and seamless roaming.
△
- Complete In- Room Wi-Fi with More Connections: Supports 380+ concurrent connections
**
- and
covers up to 1050 ft
²
- (100 m
²
)
*
- for reliable and extensive wireless connectivity.
- 2
Product Appearance
- 3
Feature Descriptions
Omada Wi-Fi 7 Technology: Swifter, Smoother, Stronger
Featuring superb Wi-Fi 7 technologies, including Multi-Link Operation, Multi-RUs, and 4K-QAM, Omada EAP775- Wall significantly enhances throughput, connection stability, and concurrent capacity, ensuring faster and higher quality connections for more devices.
‡
- Paintable Cover for Seamless Aesthetic Integration
Designed for discreet installation, EAP775- Wall is equipped with a complimentary paintable cover. This allows for easy customization to match any wall color or design theme, ensuring the device remains unobtrusive and perfectly integrates with its surroundings.
- Versatile Mounting Design for Flexible Deployment
EAP775- Wall offers multiple installation options, supporting both surface wall mounting (in-wall or on- wall cabling) and compatibility with various wall junction sizes, ensuring seamless integration into any interior environment.
- Optimized Multi-Port Wired Performance
EAP775- Wall delivers exceptional connectivity for demanding environments, featuring a 2.5G uplink port, a 2.5G downlink port, and three Gigabit downlink ports. The 2.5G uplink ports support 802.3bt/at PoE input. Two of the Gigabit ports offer flexible power delivery, configurable as either two PoE Outs or a single PoE+ Out, to seamlessly power devices like IP cameras and phones.
- Easy Setup via the Omada App, Web Browser, or SDN
Enjoy convenient setup and on- the-go network management via the Omada app or web interface. The SDN also supports quickly setting up EAP775-Wall through automatic device identification and one-click adoption.
- 4
Dedicated, Private, and Complete Wi-Fi Networking for Every Room
EAP775- Wall in each room delivers a dedicated private Wi-Fi network with strong, seamless coverage up to 1050 ft² (100 m²).
*
- It features advanced security options such as a secure guest network with up to 16 SSIDs, SMS login authentication, WPA3- Enterprise encryption, and rogue AP detection, ensuring safe, reliable connectivity for guests and business operations alike.
- Cloud-Based Centralized Management
As part of Omada’s unified SDN ecosystem, EAP775- Wall integrates seamlessly with Omada switches, gateways, and controllers, delivering end-to-end visibility, automated optimization, zero-touch provisioning, and batch configuration—all managed from a single cloud interface.
- 5
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 UL/DL MU-MIMO with 2 spatial streams
- 5 GHz: 2×2 UL/DL MU-MIMO with 2 spatial streams
- 6 GHz: 2×2 UL/DL MU-MIMO 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
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
2.4G+5G+6G: 10777Mbps
- 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
Others
- Preamble Puncturing
- BSS Coloring
- Multi-Link Operation (MLO)

- Maximal Ratio Combining (MRC)
- Transmit Beamforming (TxBF)
- Wi-Fi Protect Access 3 (WPA3)
- Dynamic Frequency Selection (DFS)
- Cycle Delay Diversity (CDD)
- Cycle Shift Diversity (CSD)
- Space- Time Block Coding (STBC)
- Low-Density Parity Check (LDPC)
- 6
Item Description
802.11ax
Spatial Streams
- 2.4 GHz: 2×2 UL/DL MU-MIMO with 2 spatial streams
- 5 GHz: 2×2 UL/DL MU-MIMO with 2 spatial streams
- 6 GHz: 2×2 UL/DL MU-MIMO 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
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 573 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
Others
- 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 1732 Mbps (MCS0-MCS9, NSS=1 to 2,
VHT20/40/80/160)
- 7
Item Description
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)
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: 2 × 5 dBi (peak gain), Internal dipole antenna
- 5 GHz: 2 × 5.5dBi (peak gain), Internal dipole antenna
- 6 GHz: 2 × 5.5 dBi (peak gain), Internal dipole antenna
*Note: The gains above are the single-antenna peak gains.
IoT • Bluetooth: 1 × 1 dBi (peak gain), PCB printed antenna
- 8
Item Description
Interfaces
- 1 x 10M/100M/1000M/2.5Gbps Multigigabit Ethernet Port (RJ45); PoE In
- 1 x 10M/100M/1000M/2.5Gbps Multigigabit Ethernet Port (RJ45);
- 1 x 10M/100M/1000Mbps Gigabit Ethernet Port (RJ45);
- 2 x 10M/100M/1000Mbps Gigabit Ethernet Port (RJ45); PoE Out
IoT BLE 5.2, 1Mbps
Memory
- Flash: 1024Mbit
- DRAM: 8192Mbit
Button
1 × Reset button: Press the button for longer than 5 seconds to make the device
restore to factory settings.
Indicator
1 × white LED on the front:
- Power-on status
- Firmware initialization or upgrade status
- Uplink service status
- Error status
Reliability
MTBF (Mean
Time between
Failure)
253000 hours at the operating temperature of 25℃ (77℉)
Power Supply
Input 802.3bt PoE++: 42.5 - 57 V/1.2A
Output
1*802.3at PoE+: 42.5 - 57 V/0.598A 25.4W, or
2*802.3af PoE: 37 - 57 V/0.35A, total 25.4W
Power
Consumption
MODE POWER
CONSUMPTION
SYSTEM
CONFIGUTATION
WI-FI RADIOS
(COMBINED POWER)
802.3bt PoE
45W with 25W
PoE Out
PoE Out Enabled
BLE Enabled
2.4GHz(2x2) Tx 22dBm
5GHz(2x2) Tx 22dBm
6GHz(2x2) Tx 22dBm
802.3at PoE 19.8W
PoE Out Disabled
BLE Enabled
2.4GHz(2x2) Tx 22dBm
5GHz(2x2) Tx 22dBm
6GHz(2x2) Tx 22dBm
802.3af PoE 10W
PoE Out Disabled
BLE Disabled
2.4GHz Disabled
5GHz Disabled
6GHz Disabled
Surge/Lightning
Protection
Ethernet Ports: ±4kV
ESD/EMP
Protection
- Air discharge: ±8 kV
- Contact discharge: ±4 kV
*Note: ESD/EMP Protection means Electrostatic Discharge/Electromagnetic Pulse
Protection independently.
- 9
Item Description
Tx Power
Maximum
transmit power
CE (ERIP)
- 2.4 GHz: 20 dBm
- 5 GHz: 23 dBm in U-NII-1, 23 dBm in U-NII-2A, 27.5 dBm in U-NII-
2C,
- 6 GHz: 23 dBm
FCC (Conducted Power)
- 2.4 GHz: 22 dBm
- 5 GHz: 22 dBm in U-NII-1, 22 dBm in U-NII-2A, 22 dBm in U-NII-
2C, 22 dBm in U-NII-3
- 6 GHz: 22 dBm

*Note: MIMO combined power, excluding antenna gains. The actual transmit power depends on local laws and regulations.
Minimum transmit power
CE (ERIP)
- 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, 6 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: 0℃ to +40℃ (32℉ to +104℉)
- Storage: -40℃ to +70℃ (-40℉ to +158℉)
Humidity
- Operating: 10% to 90% (non-condensing)
- Storage: 5% to 90% (non-condensing)
Altitude
- Storage: up to + 2000 m (6561 feet)
- Operating: up to + 2000 m (6561 feet)
Unit
Dimensions (W×D×H)
- Main Unit: 172.9 × 91.2 × 41.3 mm (6.8× 3.6 × 1.6 in.) with finishing component; 167.8× 86 × 38.3 mm (6.6× 3.4 × 1.5 in.) without finishing component
- Shipping Unit: 215 × 122 × 62 mm (8.5 × 4.8 × 2.5 in.)
Weight
- Main Unit: 0.48 kg (1.06 lb)
- Mounting Bracket: 0.15 kg (0.33 lb)
- Shipping Unit: 0.78 kg (1.72 lb)
Mounting • Junction Box / Wall Mounting (Kits included)
- 10
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 Yes
WIDS/WIPS No
Lock to AP 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+6GHz
- 2.4 GHz+5 GHz+6GHz
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
- 11
Item Description
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

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 V5.15.x and above
- Omada Essential V5.15.x and above

App Omada App V4.25 and above

Standalone Management Yes
- 12

Item Description

Standalone Mesh No

SSH Yes

SNMP v1, v2c, v3

Operating Modes

AP 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
- SSID VLAN
- Dynamic VLAN
- Management VLAN

Static IP / DHCP Client Yes

IPv4/IPv6 Yes

LLDP (Link Layer Discovery Protocol) Yes

mDNS Yes

Tools
- Ping / Traceroute / DNSLookup
- Packet Capture
- Terminal
- 13

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 303 687
- EN 50385 EN50665 EN IEC 62311
- FCC Part 15E
- RSS-247, RSS-GEN
- LP0002

EMC standards
- EN 55032
- EN 55035
- EN 301489- 1
- EN 301489- 17
- FCC Part 15C
- ICES-003 issue7
- CNS 15936

Safety Standards
- EN 62368-1
- IEC 62368- 1
- CNS 15598-1

Security Standards
- WPA-Personal/Enterprise
- WPA2-Personal/Enterprise
- WPA3-Personal/Enterprise

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,
- FCC/CE/NCC/VCCI/JRF/BSMI
- 14

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 15/19 -96
MCS7 15/18 -78.5
802.11n, HT40
MCS0 15/19 -93
MCS7 15/18 -75.5
802.11ax, HE20
MCS0 15/19 -96
MCS11 15/17 -69
802.11ax, HE40
MCS0 15/19 -93
MCS11 15/17 -66
802.11be, EHT20
MCS0 15/19 -96
MCS13 15/16 NA
802.11be, EHT40
MCS0 15/19 -93
MCS13 15/16 -NA
- 5 GHz
802.11n, HT20
MCS0 19/19 -93.5
MCS7 17/17 -76
802.11n, HT40
MCS0 19/19 -90.5
MCS7 17/17 -73
802.11ac, VHT20
MCS0 19/19 -93.5
MCS7 17/17 -76
802.11ac, VHT40
MCS0 19/19 -90.5
MCS9 16/16 -68
802.11ac, VHT80
MCS0 19/19 -87.5
MCS9 16/16 -65
802.11ax, HE20
MCS0 19/19 -93.5
MCS11 16/16 -67
802.11ax, HE40
MCS0 19/19 -90.5
MCS11 16/16 -63
802.11ax, HE80
MCS0 19/19 -87.5
MCS11 16/16 -60
802.11ax, HE160 MCS0 19/19 -85
- 15
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 16/16 -57
802.11be, EHT20
MCS0 19/19 -93.5
MCS13 15/15 -63
802.11be, EHT40
MCS0 19/19 -90.5
MCS13 15/15 -60
802.11be, EHT80
MCS0 19/19 -87.5
MCS13 15/15 -57
802.11be, EHT
160
MCS0 19/19 -85
MCS13 15/15 -54
6 GHz
802.11ax, HE20
MCS0 18/10 -93.5
MCS011 14/10 -64
802.11ax, HE40
MCS0 18/13 -90.5
MCS011 14/13 -61.5
802.11ax, HE80
MCS0 18/16 -87.5
MCS011 14/14 -59
802.11ax, HE160
MCS0 18/19 -85
MCS011 14/14 -56
802.11be, EHT20
MCS0 18/10 -93.5
MCS013 14/10 -60
802.11be, EHT40
MCS0 18/13 -90.5
MCS013 14/13 -57
802.11be, EHT80
MCS0 18/16 -87.5
MCS013 14/14 -54
802.11be, EHT

160
MCS0 18/19 -85
MCS013 14/14 -52.5
802.11be, EHT
320
MCS0 18/19 -82
MCS013 14/14 -51
- 16
Antenna Radiation Patterns
- 17
Package Contents
Item Quantity
EAP775-Wall 1
Installation Guide 1
Mounting Kit 1
- Support Services
We are committed to providing you with comprehensive and reliable support services to ensure seamless experience with Omada products.
- 18
Revision History
Version Date Description
V1.0 2025-10-20 Initial release.
- †
- 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.
△
These features 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
© 2025 TP-Link