

Omada

# Business Cloud SDN Solution

**Omada EAP - Business Wi-Fi Series:**

EAP660 HD / EAP620 HD / EAP265 HD / EAP245 / EAP225 / EAP115 / EAP110 /  
 EAP235-Wall / EAP230-Wall / EAP225-Wall / EAP115-Wall /  
 EAP225-Outdoor / EAP110-Outdoor



Omada SDN Controller



EAP660 HD  
EAP620 HD



EAP265 HD  
EAP245 / EAP225  
EAP115 / EAP110



EAP225-Outdoor  
EAP110-Outdoor



EAP230-Wall  
EAP115-Wall



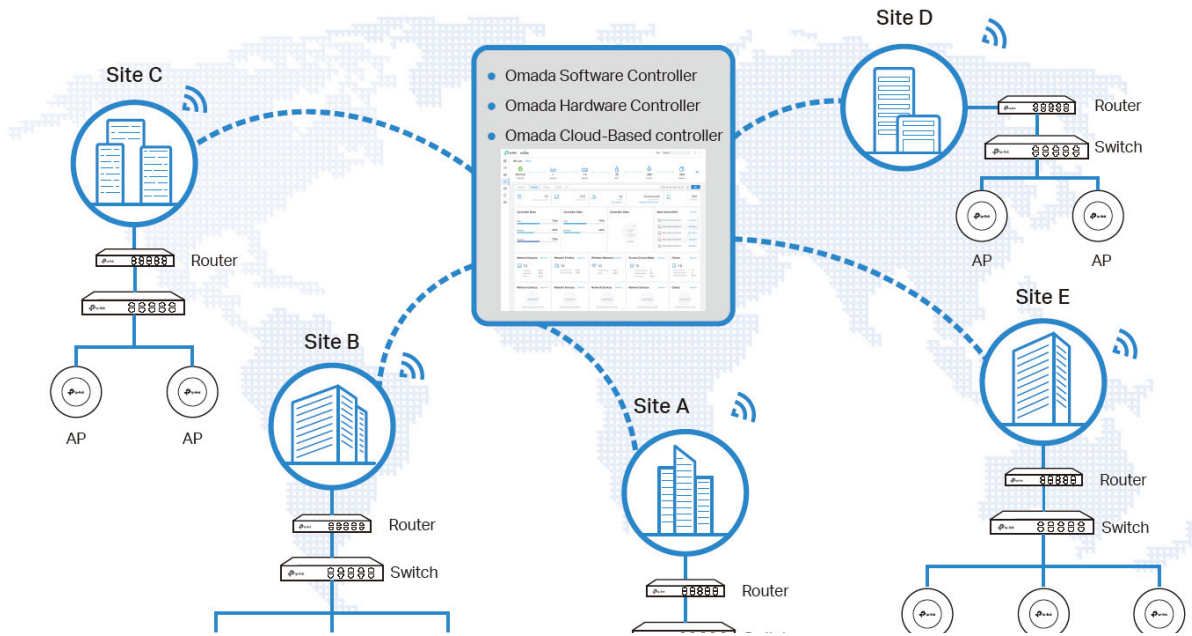
EAP235-Wall  
EAP225-Wall

# Omada Solution

|   |   |   |  |   |
|---|---|---|--|---|
|  |  |  |  |  |
| <b>Hospitality</b>  | <b>Education</b>  | <b>Retail</b>   | <b>Office</b>  | <b>Catering</b>   |
| High Quality and Full Coverage Wi-Fi  | High-Density Wi-Fi  | Social Marketing for O2O  | Wireless and Wired Connections   | Full Wi-Fi Coverage in High-Density Environment                                     |

## Software Defined Networking (SDN) with Cloud Access

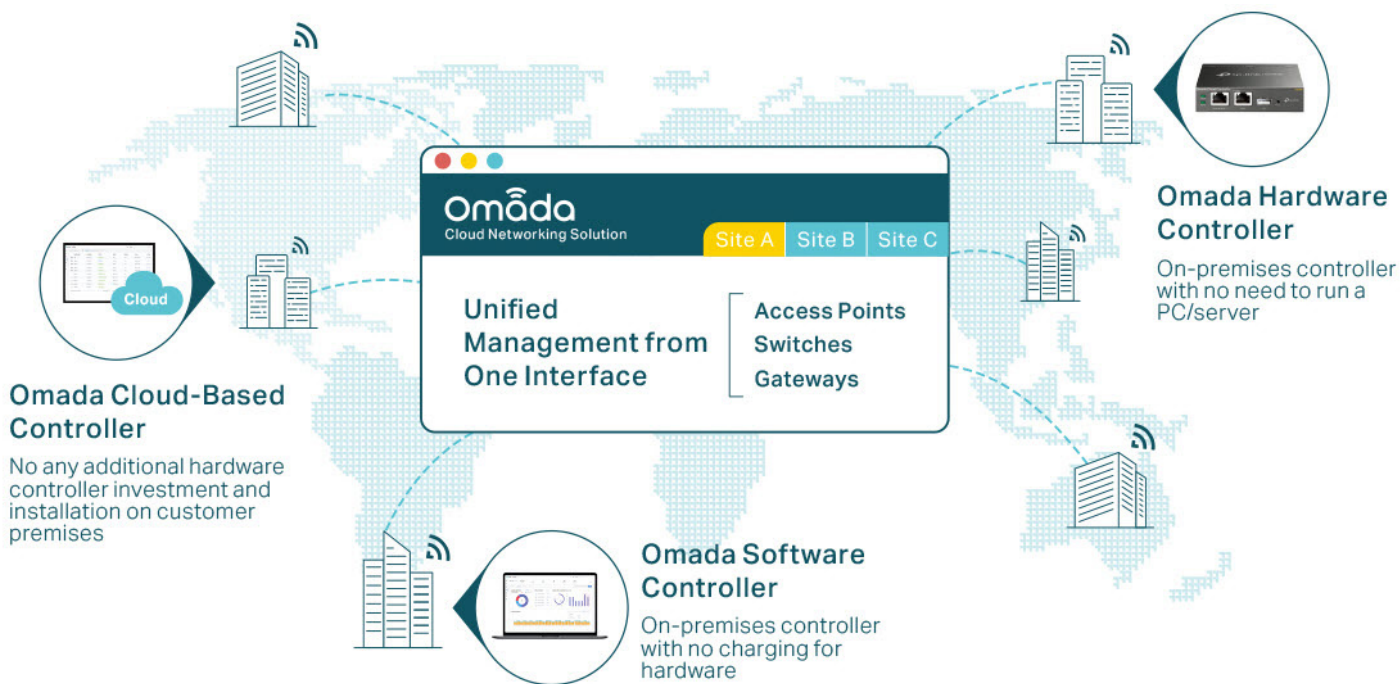
Omada Software Defined Networking (SDN) platform integrates network devices, including access points, switches and gateways, providing 100% centralized cloud management. Omada creates a highly scalable network—all controlled from a single interface. Seamless wireless and wired connections are provided, ideal for use in hospitality, education, retail, offices, and more.



|  |  |   |
|--|--|---|
|   |                                      |    |
| <b>Higher Efficiency</b>   | <b>Higher Security</b>   | <b>Higher Reliability</b>   |
| <ul style="list-style-type: none"> <li>Centralized Cloud Management</li> <li>Zero-Touch Provisioning</li> <li>AI-Driven Technology</li> <li>Auto Channel Selection and Power Adjustment</li> <li>Multi-Tenant Privilege Assignment</li> <li>Easy and Intelligent Monitoring</li> </ul> | <ul style="list-style-type: none"> <li>Separate Management and User Data</li> <li>Abundant Security Functions</li> </ul> | <ul style="list-style-type: none"> <li>99.99% SLA Availability</li> <li>Reliable Connections with High-Density Clients</li> </ul> |

# Hassle-Free Centralized Cloud Management

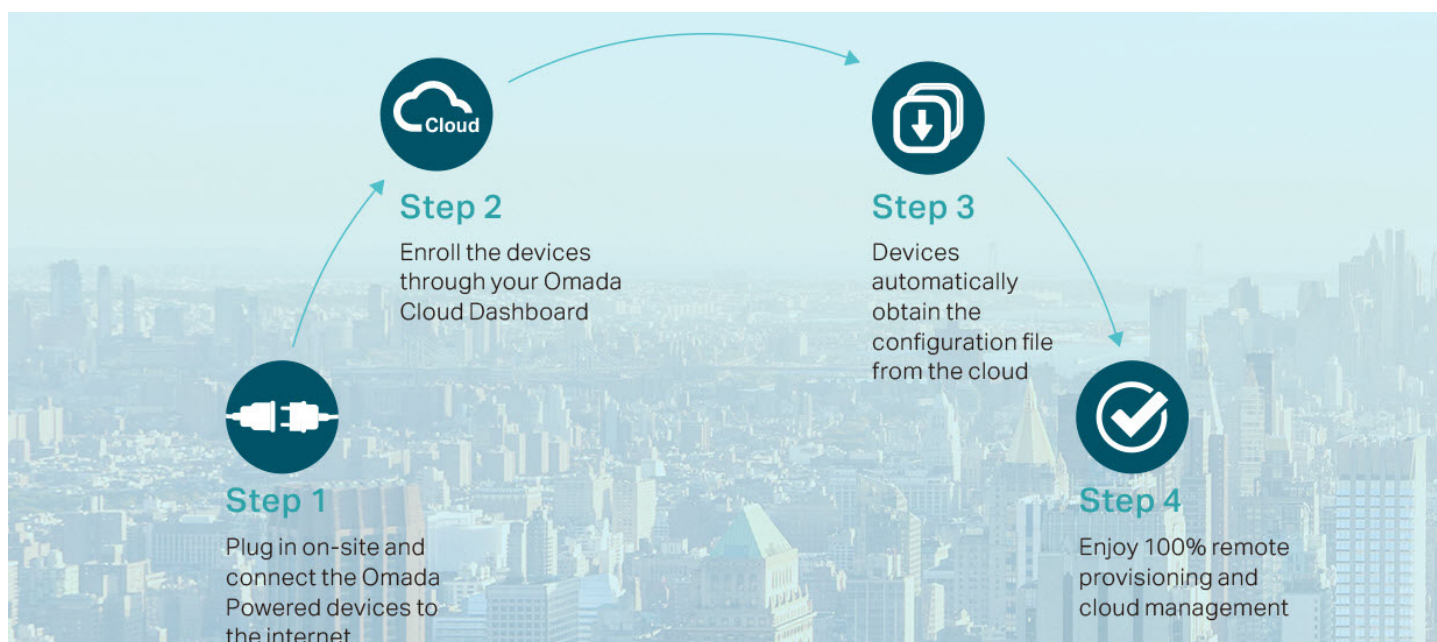
100% centralized cloud management of the whole network from different sites—all controlled from a single interface anywhere, anytime.



- ✓ No additional training needed
- ✓ Unlimited scalability
- ✓ Batch management
- ✓ Devices still work even when not connected to the Cloud

## Zero-Touch Provisioning for Efficient Deployment<sup>1</sup>

Omada zero-touch provisioning allows remotely deployment and configuration of multi-site networks, so there's no need to send out an engineer for on-site configuration. The Omada Cloud ensures efficient deployment with lower costs.



1. Zero-Touch Provisioning is supported when using Omada-Cloud Based Controller

# AI-Driven Technology for Stronger Performance and Easy Network Maintenance

## Intelligent Network Analysis, Warning, and Optimization\*

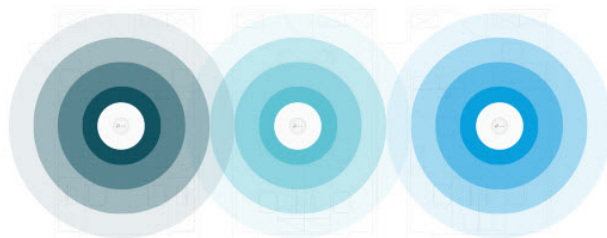
- ▶ Analyzes potential network problems and sends optimization suggestions for higher network efficiency
- ▶ Locates network faults, warns and notify users, and generates solutions to reduce network risk



\*Intelligent Network Analysis, Warning, and Optimization are being developed and are scheduled to be released in 2020

## Auto Channel Selection and Power Adjustment

Provides powerful wireless performance while greatly reducing Wi-Fi interference by automatically adjusting the channel settings and transmission power levels of neighboring APs in the same network.



● Channel 1 ● Channel 11 ● Channel 6

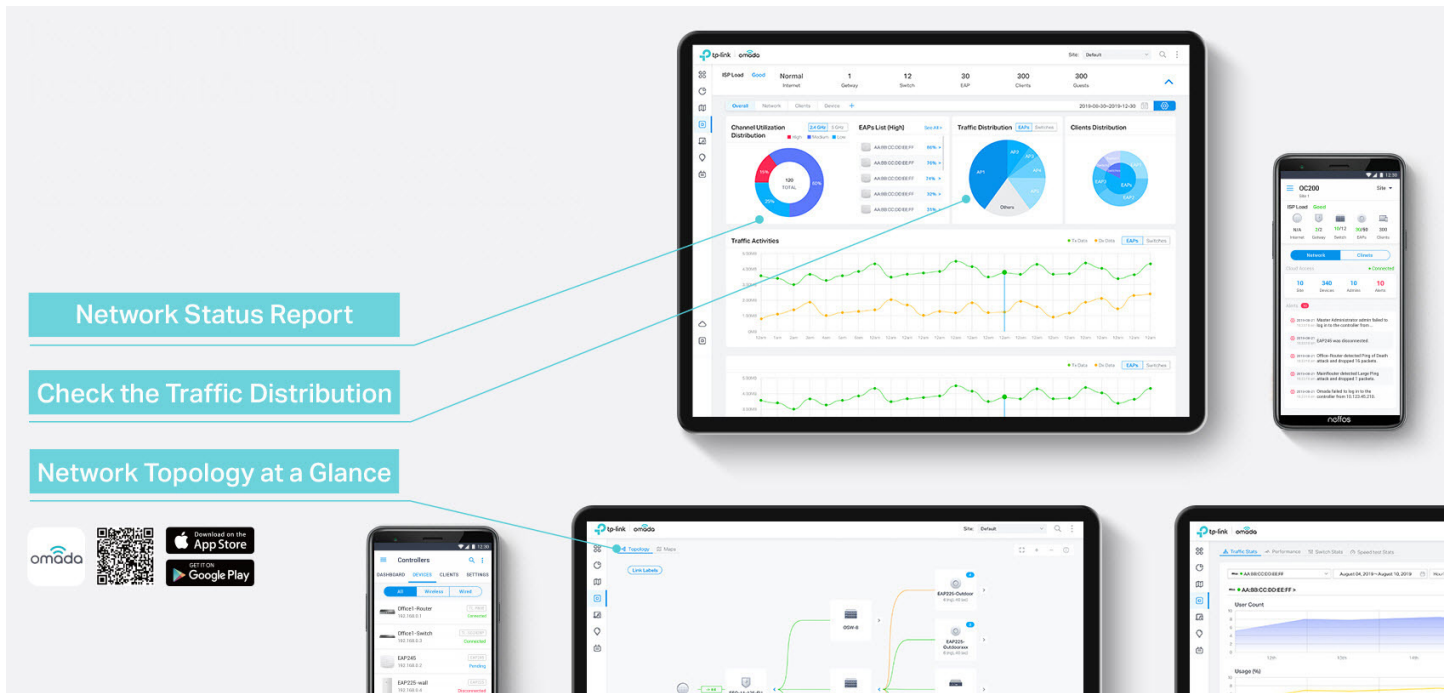
## Assign Different Management Roles

Multi-tenant privilege assignment is available to increase management efficiency and security. Multi-person management, multi-level permissions, and the ability to add admins as needed, enable flexible network operation and maintenance.

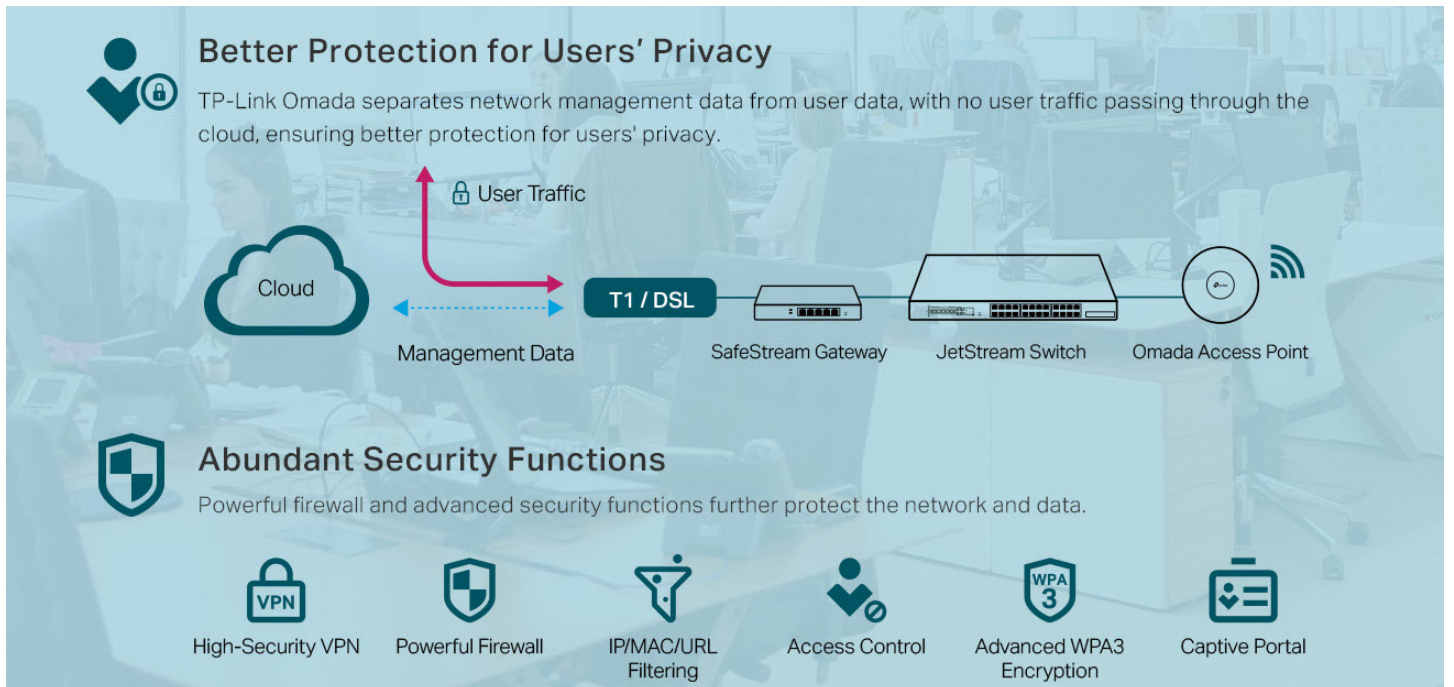


# Easy and Intelligent Network Monitoring

The easy-to-use dashboard makes it easy to see your real-time network status; check network usage and traffic distribution; receive network condition logs, abnormal event warnings, and notifications; or even track key data for better business results. Network topology helps IP admins quickly see and troubleshoot connection at a glance.

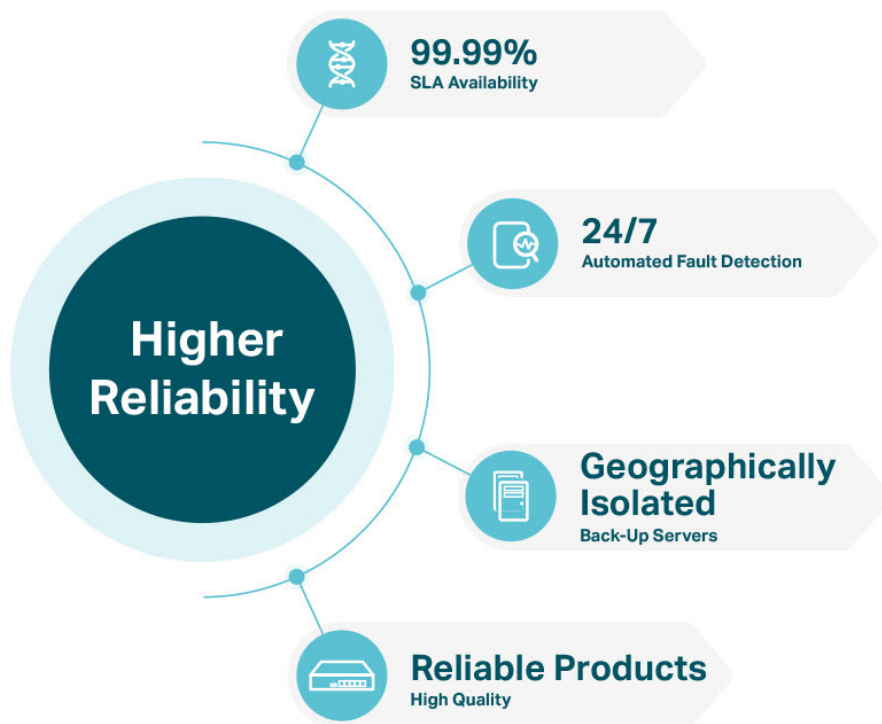


# Comprehensive Protection for the Whole Network



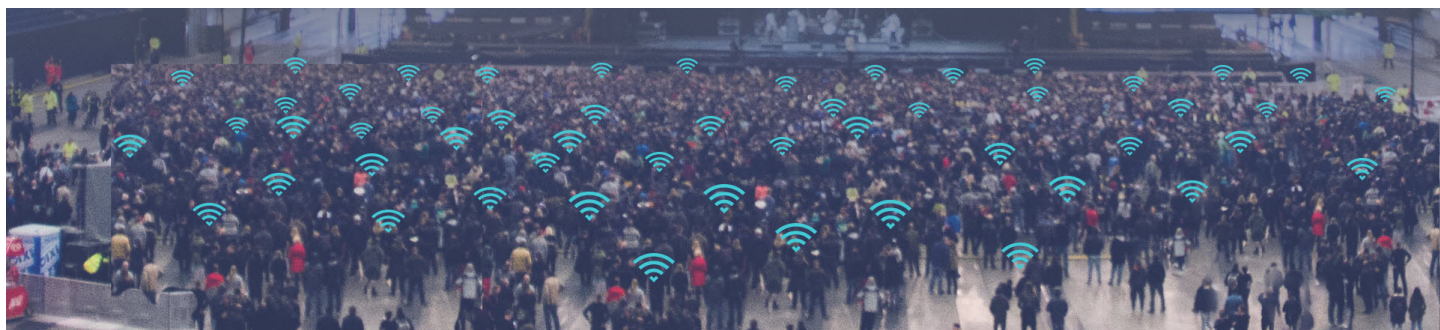
## Multiple Factors Guarantee Higher Reliability

Higher reliability of cloud service is guaranteed with 99.99% SLA availability, 24/7 automated fault detection, geographically isolated backup servers, and reliable product quality. Your network functions even if management traffic is interrupted.



## Reliable Connections Even with High-Density Clients

Equipped with enterprise chipsets, dedicated antennas, advanced RF functions, auto channel selection, and power adjustment, Omada Wi-Fi 6 and Wi-Fi 5 APs have high concurrency capacities for remarkable performance in high-density environments.



# EAP Product Features

## Easy-Mount Design

The Ceiling Mount EAP's elegant appearance and easy-mount design promote fast installation on any wall or ceiling surface, and allow it to blend in seamlessly with most interior decorating styles. The slimline, inconspicuous Wall Plate EAP can be easily installed into any standard EU/US wall junction box or 86 mm wall junction box.

## PoE Power Supply

With IEEE 802.3af/at PoE or Passive PoE, you can use Ethernet cables to transfer both electrical power and network data, making deployment more flexible and removing the need to install additional power cabling.

## Business-Class Hardware Design

Enterprise-class chipsets offer outstanding performance and support longer running time, higher client capacity and greater range. Dedicated high-power amplifiers, specialized antennas and professionally designed RF shields ensure excellent wireless performance.

## Seamless Roaming<sup>1</sup>

802.11k and 802.11v seamless roaming provide seamless switching to the access point with optimal signal when moving between APs.

## Mesh<sup>2</sup>

Omada Mesh technology enables wireless connectivity between access points for extended range, making wireless deployments more flexible and convenient.

## Increased Efficiency with OFDMA<sup>3</sup>

The Wi-Fi 6 standard uses OFDMA for more efficient channel use and reduced latency. Imagine your WiFi connection as a series of delivery trucks delivering data packets to your devices. With 802.11ac Wi-Fi, each delivery truck could only deliver one parcel to one device at a time. But with OFDMA, each truck can deliver multiple parcels to multiple devices simultaneously. This vast improvement in efficiency works for both uploads and downloads.

## Advanced RF Management

MU-MIMO, Airtime Fairness, Beamforming, and Band Steering Technologies guarantee optimal RF performance for business-level applications.








## Easy Centralized Management

Configure and monitor hundreds of Omada EAPs with ease using the Omada controller.





1. Only EAP660 HD, EAP620 HD, EAP265 HD, EAP245 V3, EAP225 V3, and EAP225-Outdoor support seamless roaming.
2. Only EAP225-Outdoor and EAP 225 v3 with specific firmware are available for Mesh.  
EAP265 HD and EAP245 V3 will support mesh soon.
3. Only EAP660 HD and EAP620 HD support OFDMA.

# EAP Product List

## Ceiling Mount AP

| Picture           |  |  |  |  |  |  |  |
|-------------------|---|---|---|---|---|---|---|
| Model             | EAP660 HD   | EAP620 HD   | EAP265 HD   | EAP245  | EAP225  | EAP115  | EAP110  |
| Product           | AX3600 Wireless Dual-Band Multi-Gigabit Ceiling Mount Access Point                | AX1800 Wireless Dual-Band Gigabit Ceiling Mount Access Point                      | AC1750 Wireless MU-MIMO Gigabit Ceiling Mount Access Point                        | AC1750 Wireless MU-MIMO Gigabit Ceiling Mount Access Point                        | AC1350 Wireless MU-MIMO Gigabit Ceiling Mount Access Point                          | 300Mbps Wireless N Ceiling Mount Access Point                                       | 300Mbps Wireless N Ceiling Mount Access Point                                       |
| Speed             | 2.4 GHz: 4*4 11ax, 1148 Mbps<br>5 GHz: 4*4 11ax, 2402 Mbps                        | 2.4 GHz: 2*2 11ax, 574 Mbps<br>5 GHz: 2*2 11ax, 1201 Mbps                         | 2.4 GHz: 450Mbps<br>5 GHz: 1300Mbps   | 2.4 GHz: 450Mbps<br>5 GHz: 1300Mbps   | 2.4 GHz: 450Mbps<br>5 GHz: 867Mbps  | 2.4 GHz: 300Mbps  | 2.4 GHz: 300Mbps  |
| Ethernet Port     | 1 x 2.5Gbps Ethernet Port   | 1 x Gigabit Ethernet Port   | 2 x Gigabit Ethernet Port   | 2 x Gigabit Ethernet Port   | 1 x Gigabit Ethernet Port   | 1 x 10/100Mbps Ethernet Port  | 1 x 10/100Mbps Ethernet Port  |
| Power Supply      | 802.3at PoE / 12V DC  | 802.3at PoE / 12V DC  | 802.3af PoE / 48 V Passive PoE  | 802.3af PoE / 48 V Passive PoE  | 802.3af PoE / 24V Passive PoE   | 802.3af PoE / External 9 V/0.6 A DC power supply                                    | 24V Passive PoE   |
| Internal Antennas | 2.4 GHz: 4 x 4 dBi<br>5 GHz: 4 x 5 dBi  | 2.4 GHz: 2 x 4 dBi<br>5 GHz: 2 x 5 dBi  | 2.4 GHz: 3 x 3.5 dBi<br>5 GHz: 3 x 4 dBi  | 2.4 GHz: 3 x 3.5 dBi<br>5 GHz: 3 x 4 dBi  | 2.4 GHz: 3 x 4 dBi<br>5 GHz: 2 x 5 dBi  | 2 x 4 dBi   | 2 x 4 dBi   |

## Wall Plate AP

| Picture           |  |  |  |  |
|-------------------|---|---|---|---|
| Model             | EAP235-Wall   | EAP230-Wall   | EAP225-Wall   | EAP115-Wall   |
| Product           | Omada AC1200 Wireless MU-MIMO Gigabit Wall Plate Access Point                       | Omada AC1200 Wireless MU-MIMO Gigabit Wall-Plate Access Point                       | Omada AC1200 Wireless MU-MIMO Wall-Plate Access Point                               | 300Mbps Wireless N Wall-Plate Access Point  |
| Speed             | 2.4 GHz: 300 Mbps<br>5 GHz: 867 Mbps  | 2.4 GHz: 300 Mbps<br>5 GHz: 867 Mbps  | 2.4 GHz: 300 Mbps<br>5 GHz: 867 Mbps  | 2.4 GHz: 300 Mbps   |
| Ethernet Port     | 4 x 10/100/1000 Mbps RJ45 Ports   | 2 x 10/100/1000 Mbps RJ45 Ports   | 4 x 10/100 Mbps RJ45 Ports  | 2 x 10/100 Mbps RJ45 Ports  |
| Power Supply      | 802.3af/at PoE  | 802.3af/at PoE  | 802.3af/at PoE  | 802.3af PoE   |
| Internal Antennas | 2.4 GHz: 2 x 4 dBi<br>5 GHz: 2 x 4 dBi  | 2.4 GHz: 2 x 4 dBi<br>5 GHz: 2 x 3.6 dBi  | 2.4 GHz: 2 x 3 dBi<br>5 GHz: 2 x 4 dBi  | 2 x 1.8 dBi   |

## Outdoor AP

| Picture           |  |  |
|-------------------|---|---|
| Model             | EAP225-Outdoor  | EAP110-Outdoor  |
| Product           | AC1200 Wireless MU-MIMO Gigabit Indoor/Outdoor Access Point                         | 300Mbps Wireless N Outdoor Access Point   |
| Speed             | 2.4 GHz: 300Mbps<br>5 GHz: 867Mbps  | 2.4 GHz: 300Mbps  |
| Ethernet Port     | 1 Gigabit RJ45 Port   | 1 10/100Mbps RJ45 Port  |
| Power Supply      | 802.3af PoE / 24V Passive PoE   | 24V Passive PoE   |
| Internal Antennas | 2 Dual-Band Omni Antennas (External Detachable)<br>2.4 GHz: 3 dBi; 5 GHz: 4 dBi     | 2 Omni Antennas (External Detachable)<br>2.4 GHz: 3 dBi                             |



# Specifications

## Ceiling Mount 802.11ax AP

| Model                  |                                    | EAP660 HD   | EAP620 HD   |
|------------------------|------------------------------------|---|---|
| Name                   |                                    | AX3600 Wireless Dual-Band Multi-Gigabit Ceiling Mount Access Point                                | AX1800 Wireless Dual-Band Gigabit Ceiling Mount Access Point                                      |
| Main Design            | LAN Interfaces                     | 1 x 2.5Gbps Ethernet Port   | 1 x Gbps Ethernet Port  |
|                        | Wi-Fi Standards                    | IEEE 802.11ax/ac/n/g/b/a  |   |
|                        | Maximum Data Rate                  | 1148 Mbps (2.4 GHz)<br>+2402 Mbps (5 GHz)   | 574 Mbps (2.4 GHz)<br>+1201 Mbps (5 GHz)  |
|                        | Antennas                           | 2.4 GHz: 4 x 4 dBi<br>5 GHz: 4 x 5 dBi  | 2.4 GHz: 2 x 4 dBi<br>5 GHz: 2 x 5 dBi  |
|                        | Transmit Power                     | CE: < 20 dBm (2.4 GHz, EIRP); < 23 dBm (5 GHz, EIRP)<br>FCC: < 26 dBm (2.4 GHz); < 26 dBm (5 GHz) | CE: < 20 dBm (2.4 GHz, EIRP); < 23 dBm (5 GHz, EIRP)<br>FCC: < 25 dBm (2.4 GHz); < 25 dBm (5 GHz) |
| Centralized Management | Omada Software Controller          | •   |   |
|                        | Omada Hardware Controller          | •   |   |
|                        | Omada APP                          | •   |   |
| Security               | Captive Portal Authentication      | •   |   |
|                        | Access Control                     | •   |   |
|                        | Maximum number of MAC Filter       | 4000  |   |
|                        | Wireless Isolation between Clients | •   |   |
|                        | VLAN                               | •   |   |
|                        | Rogue AP Detection                 | •   |   |
|                        | Wireless Encryption                | WEP, WPA-Personal/Enterprise, WPA2-Personal/Enterprise, WPA3-Personal/Enterprise                  |   |
| 802.1X Support         | •                                  |   |   |
| Wireless Function      | Multiple SSIDs                     | 16 (8 on each band)   |   |
|                        | Enable/Disable Wireless Radio      | •   |   |
|                        | Enable/Disable SSID Broadcast      | •   |   |
|                        | Guest Network                      | •   |   |
|                        | Automatic Channel Assignment       | •   |   |
|                        | Transmit Power Control             | Adjust transmit Power on dBm  |   |
|                        | QoS (WMM)                          | •   |   |
|                        | Seamless Roaming                   | •   |   |
|                        | Mesh                               | -   |   |
|                        | Beamforming                        | •   |   |
|                        | MU-MIMO                            | •   |   |
|                        | Rate Limit                         | Based on SSID/Client  |   |
|                        | Load Balance                       | •   |   |
|                        | Airtime Fairness                   | •   |   |
|                        | Band Steering                      | •   |   |
|                        | RADIUS Accounting                  | •   |   |
|                        | MAC Authentication                 | •   |   |
|                        | Reboot Schedule                    | •   |   |
|                        | Wireless Schedule                  | •   |   |
|                        | Wireless Statistics                | •   |   |
| Static IP/Dynamic IP   | •                                  |   |   |

## Ceiling Mount 802.11ax AP

| Model                  |                               | EAP660 HD  | EAP620 HD   |
|------------------------|-------------------------------|--|---|
| Support Data Rates     | 802.11ax                      | 8 Mbps to 2402 Mbps (MCS0-MCS11, NSS = 1 to 4 HE20/40/80)  | 8 Mbps to 1201 Mbps (MCS0-MCS11, NSS = 1 to 2 HE20/40/80)                 |
|                        | 802.11ac                      | 6.5 Mbps to 2166.7 Mbps (MCS0-MCS11, NSS = 1 to 4 VHT20/40/80)   | 6.5 Mbps to 1083.3 Mbps (MCS0-MCS11, NSS = 1 to 2 VHT20/40/80)            |
|                        | 802.11n                       | 6.5 Mbps to 600 Mbps (MCS0-MCS31, HT20/40)   | 6.5 Mbps to 300 Mbps (MCS0-MCS15, HT20/40)                                |
|                        | 802.11g                       | 6, 9, 12, 18, 24, 36, 48, 54 Mbps  |   |
|                        | 802.11b                       | 1, 2, 5.5, 11 Mbps   |   |
|                        | 802.11a                       | 6, 9, 12, 18, 24, 36, 48, 54 Mbps  |   |
| Management             | LED ON/OFF Control            | •  |   |
|                        | Management MAC Access Control | •  |   |
|                        | Web-based Management          | •  |   |
|                        | Telnet                        | •  |   |
|                        | SNMP                          | v1, v2c, v3  |   |
|                        | SSH                           | •  |   |
|                        | Restore & Backup              | •  |   |
|                        | Firmware update via Web       | •  |   |
|                        | NTP                           | •  |   |
|                        | System Log                    | •  |   |
| Email Alerts           | •                             |  |   |
| Physical & Environment | Power Supply                  | 802.3at PoE or external 12V/2A DC power supply   | 802.3at PoE or external 12V/1A DC power supply                            |
|                        | Maximum Power Consumption     | EU: 18.5 W (For PoE); 15 W (for DC)<br>US: 22.5 W (For PoE); 18 W (for DC)   | EU: 12.5 W (For PoE); 10 W (for DC)<br>US: 14W (For PoE); 11.5 W (for DC) |
|                        | Reset                         | •  |   |
|                        | Mounting                      | Ceiling / Wall mouting (Kits included)   |   |
| Others                 | Certifications                | CE, FCC, RoHS  |   |
|                        | Dimensions (W x D x H)        | 243 x 243 x 64 mm  |   |
|                        | Environment                   | Operating Temperature: 0 °C–40 °C (32 °F–104 °F);<br>Storage Temperature: -40 °C–70 °C (-40 °F–158 °F);<br>Operating Humidity: 10%–90% non-condensing;<br>Storage Humidity: 5%–90% non-condensing; |   |

## Ceiling Mount 802.11n/ac AP

| Model                  |                                    | EAP265 HD   | EAP245  | EAP225  | EAP115                             | EAP110                           |
|------------------------|------------------------------------|---|---|---|------------------------------------|----------------------------------|
| Name                   |                                    | AC1750 Wireless MU-MIMO Gigabit Ceiling Mount Access Point  | AC1750 Wireless MU-MIMO Gigabit Ceiling Mount Access Point  | AC1350 Wireless MU-MIMO Gigabit Ceiling Mount Access Point  | 300 Mbps Wireless N Access Point   | 300 Mbps Wireless N Access Point |
| Main Design            | LAN Interfaces                     | 2 10/100/1000 Mbps Ethernet Ports   |   | 1 10/100/1000 Mbps Ethernet Port  | 1 10/100 Mbps Ethernet Port        |                                  |
|                        | Wi-Fi Standards                    | IEEE 802.11a/b/g/n/ac   |   |   | IEEE 802.11a/b/g/n                 |                                  |
|                        | Maximum Data Rate                  | 450 Mbps (2.4 GHz) +1300 Mbps (5 GHz)   |   | 450 Mbps (2.4 GHz) +876 Mbps (5 GHz)  | 300 Mbps (2.4 GHz)                 |                                  |
|                        | Antennas                           | 2.4G: 3 x 3.5 dBi<br>5GHz: 3 x 4 dBi  | 2.4 GHz: 3 x 3.5 dBi,<br>5 GHz: 3 x 4 dBi   | 2.4 GHz: 3 x 4 dBi,<br>5 GHz: 2 x 5 dBi   | 2 x 4 dBi                          |                                  |
|                        | Transmit Power                     | CE: < 20 dBm (2.4 GHz, EIRP); < 23 dBm (5 GHz, EIRP)<br>FCC: < 24 dBm (2.4 GHz); < 24 dBm (5 GHz) | CE: < 20 dBm (2.4 GHz, EIRP); < 28 dBm (5 GHz, EIRP)<br>FCC: < 24 dBm (2.4 GHz); < 24 dBm (5 GHz) | CE: < 20 dBm (2.4 GHz, EIRP); < 27 dBm (5 GHz, EIRP)<br>FCC: < 24 dBm (2.4 GHz); < 22 dBm (5 GHz) | CE: < 19 dBm (EIRP), FCC: < 21 dBm |                                  |
| Centralized Management | Omada Software Controller          | •   |   |   |                                    |                                  |
|                        | Omada Hardware Controller          | •   |   |   |                                    |                                  |
|                        | Omada APP                          | •   |   |   |                                    |                                  |
| Security               | Captive Portal Authentication      | •   |   |   |                                    |                                  |
|                        | Access Control                     | •   |   |   |                                    |                                  |
|                        | Maximum number of MAC Filter       | 4000  |   |   |                                    |                                  |
|                        | Wireless Isolation between Clients | •   |   |   |                                    |                                  |
|                        | VLAN                               | •   |   |   |                                    |                                  |
|                        | Rogue AP Detection                 | •   |   |   |                                    |                                  |
|                        | Wireless Encryption                | WEP, WPA-Personal/Enterprise, WPA2-Personal/Enterprise  |   |   |                                    |                                  |
|                        | 802.1X Support                     | •   |   |   |                                    |                                  |
| Wireless Function      | Multiple SSIDs                     | 16 (8 on each band)   |   |   | 8                                  |                                  |
|                        | Enable/Disable Wireless Radio      | •   |   |   |                                    |                                  |
|                        | Enable/Disable SSID Broadcast      | •   |   |   |                                    |                                  |
|                        | Guest Network                      | •   |   |   |                                    |                                  |
|                        | Automatic Channel Assignment       | •   |   |   |                                    |                                  |
|                        | Transmit Power Control             | Adjust transmit Power on dBm  |   |   |                                    |                                  |
|                        | QoS (WMM)                          | •   |   |   |                                    |                                  |
|                        | Seamless Roaming                   | •   |   |   | -                                  |                                  |
|                        | Mesh                               | •   |   |   | -                                  |                                  |
|                        | Beamforming                        | •   |   |   | -                                  |                                  |
|                        | MU-MIMO                            | •   |   |   | -                                  |                                  |
|                        | Rate Limit                         | Based on SSID/Client  |   |   |                                    |                                  |
|                        | Load Balance                       | •   |   |   |                                    |                                  |
|                        | Airtime Fairness                   | •   |   |   | -                                  |                                  |
|                        | Band Steering                      | •   |   |   | -                                  |                                  |
|                        | RADIUS Accounting                  | •   |   |   |                                    |                                  |
|                        | MAC Authentication                 | •   |   |   |                                    |                                  |
|                        | Reboot Schedule                    | •   |   |   |                                    |                                  |
|                        | Wireless Schedule                  | •   |   |   |                                    |                                  |
|                        | Wireless Statistics                | •   |   |   |                                    |                                  |
| Static IP/Dynamic IP   | •                                  |   |   |   |                                    |                                  |

## Ceiling Mount 802.11n/ac AP

| Model                  |                               | EAP265 HD  | EAP245   | EAP225   | EAP115  | EAP110  |
|------------------------|-------------------------------|--|--|--|---|---|
| Support Data Rates     | 802.11ac                      | 6.5 Mbps to 1300 Mbps (MCS0-MCS9, NSS = 1 to 3 VHT20/40/80)  |  | 6.5 Mbps to 867 Mbps (MCS0-MCS9, NSS = 1 to 2 VHT20/40/80)                   | -   |   |
|                        | 802.11n                       | 6.5 Mbps to 450 Mbps (MCS0-MCS23, HT20/40)   |  |  | 6.5 Mbps to 300 Mbps (MCS0-MCS15, HT20/40)        |   |
|                        | 802.11g                       | 6, 9, 12, 18, 24, 36, 48, 54 Mbps  |  |  |   |   |
|                        | 802.11b                       | 1, 2, 5.5, 11 Mbps   |  |  |   |   |
|                        | 802.11a                       | 6, 9, 12, 18, 24, 36, 48, 54 Mbps  |  |  | -   |   |
| Management             | LED ON/OFF Control            | •  |  |  |   |   |
|                        | Management MAC Access Control | •  |  |  |   |   |
|                        | Web-based Management          | •  |  |  |   |   |
|                        | Telnet                        | •  |  |  |   |   |
|                        | SNMP                          | v1, v2c  |  |  |   |   |
|                        | SSH                           | •  |  |  |   |   |
|                        | Restore & Backup              | •  |  |  |   |   |
|                        | Firmware update via Web       | •  |  |  |   |   |
|                        | NTP                           | •  |  |  |   |   |
|                        | System Log                    | •  |  |  |   |   |
| Email Alerts           | •                             |  |  |  |   |   |
| Physical & Environment | Power Supply                  | 802.3af PoE or 48 V Passive PoE (+4,5 pins; -7,8 pins. PoE Adapter Included)   | 802.3af PoE or 48 V Passive PoE (+4,5 pins; -7,8 pins. PoE Adapter Included) | 802.3af PoE or 24 V Passive PoE (+4,5 pins; -7,8 pins. PoE Adapter Included) | 802.3af PoE or external 9 V/0.6 A DC power supply | 24 V Passive PoE (+4,5 pins; -7,8 pins. PoE Adapter Included) |
|                        | Maximum Power Consumption     | 10.36 W  | 12.3 W   | 12.6 W   | 3.1 W   | 2.8 W   |
|                        | Reset                         | •  |  |  |   |   |
|                        | Mounting                      | Ceiling/Wall mounting (Kits included)  |  |  |   |   |
| Others                 | Certifications                | CE, FCC, RoHS  |  |  |   |   |
|                        | Dimensions (W x D x H)        | 205.4 x 181.6 x 37.4 mm  |  |  | 189.4 x 172.3 x 29.5 mm                           |   |
|                        | Environment                   | Operating Temperature: 0 °C–40 °C (32 °F–104 °F)<br>Storage Temperature: -40 °C–70 °C (-40 °F–158 °F)<br>Operating Humidity: 10%–90% non-condensing<br>Storage Humidity: 5%–90% non-condensing |  |  |   |   |

# Wall Plate AP

| Model                  |                                    | EAP235-Wall  | EAP230-Wall  | EAP225-Wall  | EAP115-Wall  |
|------------------------|------------------------------------|--|--|--|--|
| Name                   |                                    | AC1200 Wireless MU-MIMO Gigabit Wall Plate Access Point  | AC1200 Wireless MU-MIMO Gigabit Wall Plate Access Point                                | AC1200 Wireless MU-MIMO Wall Plate Access Point  | 300 Mbps Wireless N Wall Plate Access Point                                  |
| Main Design            | LAN Interfaces                     | Uplink: 1 10/100/1000 Mbps Ethernet Port<br>Downlink: 3 10/100/1000 Mbps Ethernet Ports (one supports PoE Out) | Uplink: 1 10/100/1000 Mbps Ethernet Port<br>Downlink: 1 10/100/1000 Mbps Ethernet Port | Uplink: 1 10/100 Mbps Ethernet Port<br>Downlink: 3 10/100 Mbps Ethernet Ports (one supports PoE Out) | Uplink: 1 10/100 Mbps Ethernet Port<br>Downlink: 1 10/100 Mbps Ethernet Port |
|                        | Wi-Fi Standards                    | IEEE 802.11a/b/g/n/ac  |  |  | IEEE 802.11a/b/g/n   |
|                        | Maximum Data Rate                  | 300 Mbps (2.4 GHz) + 867 Mbps (5 GHz)  |  |  | 300 Mbps (2.4 GHz)   |
|                        | Antennas                           | 2.4 GHz: 2 x 4 dBi<br>5 GHz: 2 x 4 dBi   | 2.4 GHz: 2 x 4 dBi<br>5 GHz: 2 x 3.6 dBi   | 2.4 GHz: 2 x 3 dBi<br>5 GHz: 2 x 4 dBi   | 2 x 1.8 dBi  |
|                        | Transmit Power                     | FCC: < 21 dBm (2.4 GHz); < 21 dBm (5 GHz)  | CE: < 20 dBm (2.4 GHz, EIRP); < 23 dBm (5 GHz, EIRP)                                   | CE: < 20 dBm (2.4 GHz, EIRP); < 23 dBm (5 GHz, EIRP)<br>FCC: < 21 dBm (2.4 GHz); < 21 dBm (5 GHz)    | CE: < 20 dBm   |
| Centralized Management | Omada Software Controller          | •  |  |  |  |
|                        | Omada Hardware Controller          | •  |  |  |  |
|                        | Omada APP                          | •  |  |  |  |
| Security               | Captive Portal Authentication      | •  |  |  |  |
|                        | Access Control                     | •  |  |  |  |
|                        | Maximum number of MAC Filter       | 4000   |  |  |  |
|                        | Wireless Isolation between Clients | •  |  |  |  |
|                        | VLAN                               | •  |  |  |  |
|                        | Rogue AP Detection                 | •  |  |  |  |
|                        | Wireless Encryption                | WEP, WPA-Personal/Enterprise, WPA2-Personal/Enterprise   |  |  |  |
|                        | 802.1X Support                     | •  |  |  |  |
| Wireless Function      | Multiple SSIDs                     | 16 (8 on each band)  |  |  | 8  |
|                        | Enable/Disable Wireless Radio      | •  |  |  |  |
|                        | Enable/Disable SSID Broadcast      | •  |  |  |  |
|                        | Guest Network                      | •  |  |  |  |
|                        | Automatic Channel Assignment       | •  |  |  |  |
|                        | Transmit Power Control             | Adjust transmit Power on dBm   |  |  |  |
|                        | QoS (WMM)                          | •  |  |  |  |
|                        | Seamless Roaming                   | -  |  |  |  |
|                        | Mesh                               | -  |  |  |  |
|                        | Beamforming                        | •  |  |  | -  |
|                        | MU-MIMO                            | •  |  |  | -  |
|                        | Rate Limit                         | Based on SSID/Client   |  |  |  |
|                        | Load Balance                       | •  |  |  |  |
|                        | Airtime Fairness                   | -  |  |  |  |
|                        | Band Steering                      | •  |  |  | -  |
|                        | RADIUS Accounting                  | •  |  |  |  |
|                        | MAC Authentication                 | •  |  |  |  |
|                        | Reboot Schedule                    | •  |  |  |  |
|                        | Wireless Schedule                  | •  |  |  |  |
|                        | Wireless Statistics                | •  |  |  |  |
| Static IP/Dynamic IP   | •                                  |  |  |  |  |

## Wall Plate AP

| Model                  |                               | EAP235-Wall  | EAP230-Wall           | EAP225-Wall             | EAP115-Wall           |
|------------------------|-------------------------------|--|-----------------------|-------------------------|-----------------------|
| Support Data Rates     | 802.11ac                      | 6.5 Mbps to 867 Mbps (MCS0-MCS9, NSS = 1 to 2 VHT20/40/80)   |                       |                         | -                     |
|                        | 802.11n                       | 6.5 Mbps to 300 Mbps (MCS0-MCS15, HT20/40)   |                       |                         |                       |
|                        | 802.11g                       | 6, 9, 12, 18, 24, 36, 48, 54 Mbps  |                       |                         |                       |
|                        | 802.11b                       | 1, 2, 5.5, 11 Mbps   |                       |                         |                       |
|                        | 802.11a                       | 6, 9, 12, 18, 24, 36, 48, 54 Mbps  |                       |                         | -                     |
| Management             | LED ON/OFF Control            | •  |                       |                         |                       |
|                        | Management MAC Access Control | •  |                       |                         |                       |
|                        | Web-based Management          | •  |                       |                         |                       |
|                        | Telnet                        | •  |                       |                         |                       |
|                        | SNMP                          | v1, v2c  |                       |                         |                       |
|                        | SSH                           | •  |                       |                         |                       |
|                        | Restore & Backup              | •  |                       |                         |                       |
|                        | Firmware update via Web       | •  |                       |                         |                       |
|                        | NTP                           | •  |                       |                         |                       |
|                        | System Log                    | •  |                       |                         |                       |
| Email Alerts           | •                             |  |                       |                         |                       |
| Physical & Environment | Power Supply                  | 802.3af/at PoE   |                       |                         | 802.3af PoE           |
|                        | Maximum Power Consumption     | 9.8 W (Without PoE Out)  | 7 W                   | 9.8 W (Without PoE Out) | 2.8 W                 |
|                        | Reset                         | •  |                       |                         |                       |
|                        | Mounting                      | Wall Plate Mounting (Kits included)  |                       |                         |                       |
| Others                 | Certifications                | FCC, RoHS  | CE, RoHS              | CE, FCC, RoHS           | CE, RoHS              |
|                        | Dimensions (W x D x H)        | 143 x 86 x 20 mm   | 86.8 x 86.8 x 30.2 mm | 143 x 86 x 20 mm        | 86.8 x 86.8 x 30.2 mm |
|                        | Environment                   | Operating Temperature: 0 °C–40 °C (32 °F–104 °F);<br>Storage Temperature: -40 °C–70 °C (-40 °F–158 °F);<br>Operating Humidity: 10%–90% non-condensing;<br>Storage Humidity: 5%–90% non-condensing; |                       |                         |                       |

# Outdoor AP

| Model                  |                                    | EAP225-Outdoor   | EAP110-Outdoor                                       |
|------------------------|------------------------------------|--|--|
| Name                   |                                    | AC1200 Wireless MU-MIMO Gigabit Indoor/Outdoor Access Point  | 300 Mbps Wireless N Outdoor Access Point             |
| Main Design            | LAN Interfaces                     | 1 10/100/1000 Mbps Ethernet Port   | 1 10/100 Mbps Ethernet Port                          |
|                        | Wi-Fi Standards                    | IEEE 802.11b/g/n/ac  | IEEE 802.11b/g/n                                     |
|                        | Maximum Data Rate                  | 300 Mbps (2.4 GHz)<br>+ 867 Mbps (5 GHz)   | 300 Mbps (2.4 GHz)                                   |
|                        | Antennas                           | 2 Dual-Band Omni Antennas (External Detachable) 2.4 GHz: 3 dBi;<br>5 GHz: 4 dBi                    | 2 Omni Antennas (External Detachable) 2.4 GHz: 3 dBi |
|                        | Transmit Power                     | CE: < 20 dBm (2.4 GHz, EIRP), < 26 dBm (5 GHz, EIRP);<br>FCC: < 23 dBm (2.4 GHz), < 22 dBm (5 GHz) | CE: < 20 dBm (EIRP), FCC: < 22 dBm                   |
| Centralized Management | Omada Software Controller          | •  |  |
|                        | Omada Hardware Controller          | •  |  |
|                        | Omada APP                          | •  |  |
| Security               | Captive Portal Authentication      | •  |  |
|                        | Access Control                     | •  |  |
|                        | Maximum number of MAC Filter       | 4000   |  |
|                        | Wireless Isolation between Clients | •  |  |
|                        | VLAN                               | •  |  |
|                        | Rogue AP Detection                 | •  |  |
|                        | Wireless Encryption                | WEP, WPA-Personal/Enterprise, WPA2-Personal/Enterprise   |  |
|                        | 802.1X Support                     | •  |  |
| Wireless Function      | Multiple SSIDs                     | 16 (8 for each band)   | 8  |
|                        | Enable/Disable Wireless Radio      | •  |  |
|                        | Enable/Disable SSID Broadcast      | •  |  |
|                        | Guest Network                      | •  |  |
|                        | Automatic Channel Assignment       | •  |  |
|                        | Transmit Power Control             | Adjust transmit Power on dBm   |  |
|                        | QoS (WMM)                          | •  |  |
|                        | Seamless Roaming                   | •  | -  |
|                        | Mesh                               | •  | -  |
|                        | Beamforming                        | •  | -  |
|                        | MU-MIMO                            | •  | -  |
|                        | Rate Limit                         | Based on SSID/Client   |  |
|                        | Load Balance                       | •  |  |
|                        | Airtime Fairness                   | •  | -  |
|                        | Band Steering                      | •  | -  |
|                        | RADIUS Accounting                  | •  |  |
|                        | MAC Authentication                 | •  |  |
|                        | Reboot Schedule                    | •  |  |
|                        | Wireless Schedule                  | •  |  |
|                        | Wireless Statistics                | •  |  |
| Static IP/Dynamic IP   | •                                  |  |  |
| Support Data Rates     | 802.11ac                           | 6.5 Mbps to 867 Mbps (MCS0-MCS9, NSS=1 to 2 VHT20/40/80)   | -  |
|                        | 802.11n                            | 6.5 Mbps to 300 Mbps (MCS0-MCS15, HT20/40)   |  |
|                        | 802.11g                            | 6, 9, 12, 18, 24, 36, 48, 54 Mbps  |  |
|                        | 802.11b                            | 1, 2, 5.5, 11 Mbps   |  |
|                        | 802.11a                            | 6, 9, 12, 18, 24, 36, 48, 54 Mbps  | -  |

## Outdoor AP

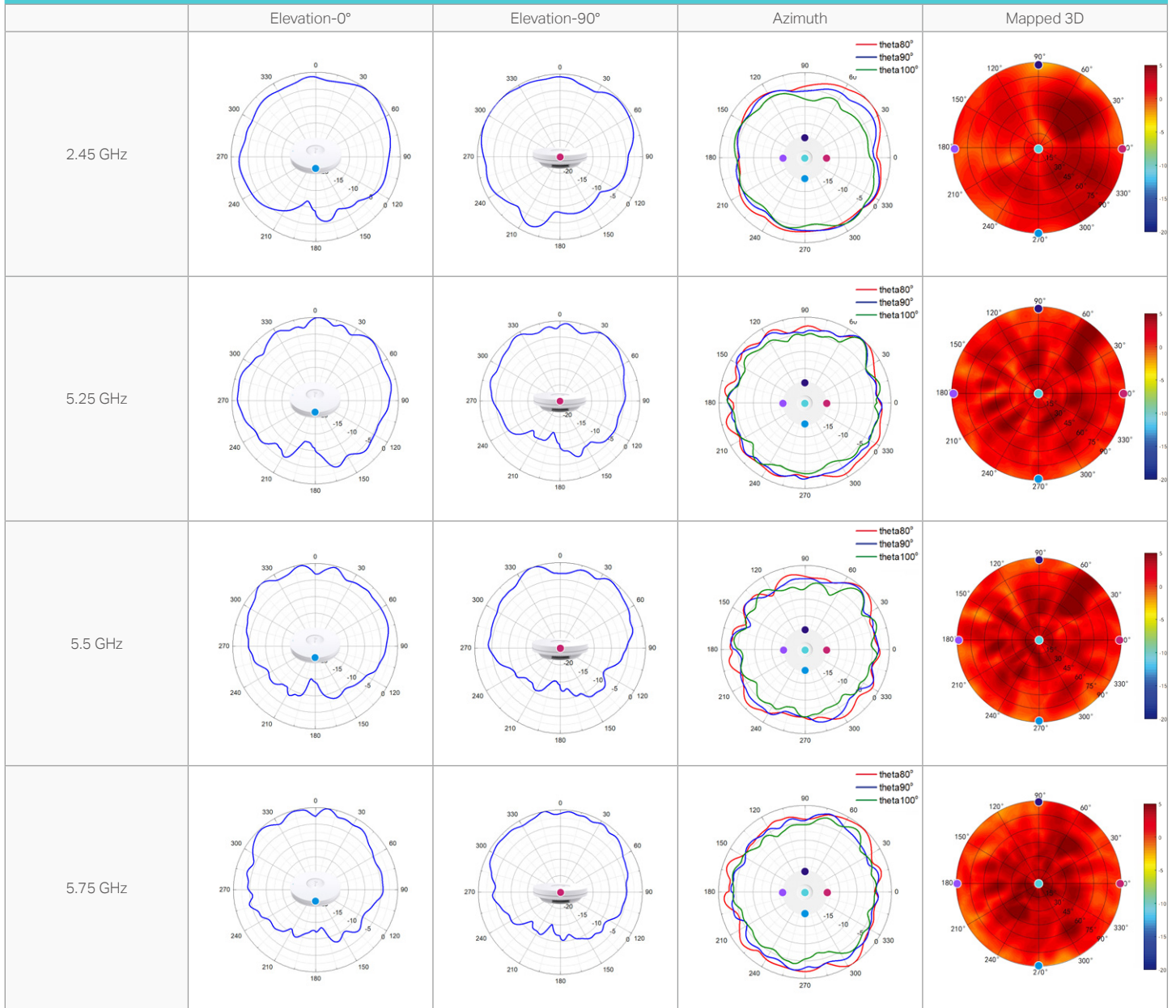
| Model                  |                               | EAP225-Outdoor  | EAP110-Outdoor  |
|------------------------|-------------------------------|---|---|
| Management             | LED ON/OFF Control            | •   |   |
|                        | Management MAC Access Control | •   |   |
|                        | Web-based Management          | •   |   |
|                        | Telnet                        | •   |   |
|                        | SNMP                          | v1, v2c   |   |
|                        | SSH                           | •   |   |
|                        | Restore & Backup              | •   |   |
|                        | Firmware update via Web       | •   |   |
|                        | NTP                           | •   |   |
|                        | System Log                    | •   |   |
|                        | Email Alerts                  | •   |   |
| Physical & Environment | Power Supply                  | 802.3af PoE or 24 V Passive PoE (+4,5 pins; -7,8 pins. PoE Adapter Included)  | 24 V Passive PoE (+4,5 pins; -7,8 pins. PoE Adapter Included)   |
|                        | Maximum Power Consumption     | 10.5W   | 3.1 W   |
|                        | Reset                         | •   |   |
|                        | Mounting                      | Pole/Wall mouting (Kits included)   |   |
| Others                 | Certifications                | CE, FCC, RoHS   |   |
|                        | Dimensions (W x D x H)        | 214.9 x 46 x 26.7 mm  | 216 x 46 x 27 mm  |
|                        | Environment                   | Operating Temperature: -30 °C–70 °C (-22 °F–158 °F);<br>Storage Temperature: -40 °C–70 °C (-40 °F–158 °F);<br>Operating Humidity: 10%–90% non-condensing;<br>Storage Humidity: 5%–90% non-condensing; | Operating Temperature: -30 °C–65 °C (-22 °F–149 °F);<br>Storage Temperature: -40 °C–70 °C (-40 °F–158 °F);<br>Operating Humidity: 10%–90% non-condensing;<br>Storage Humidity: 5%–90% non-condensing; |

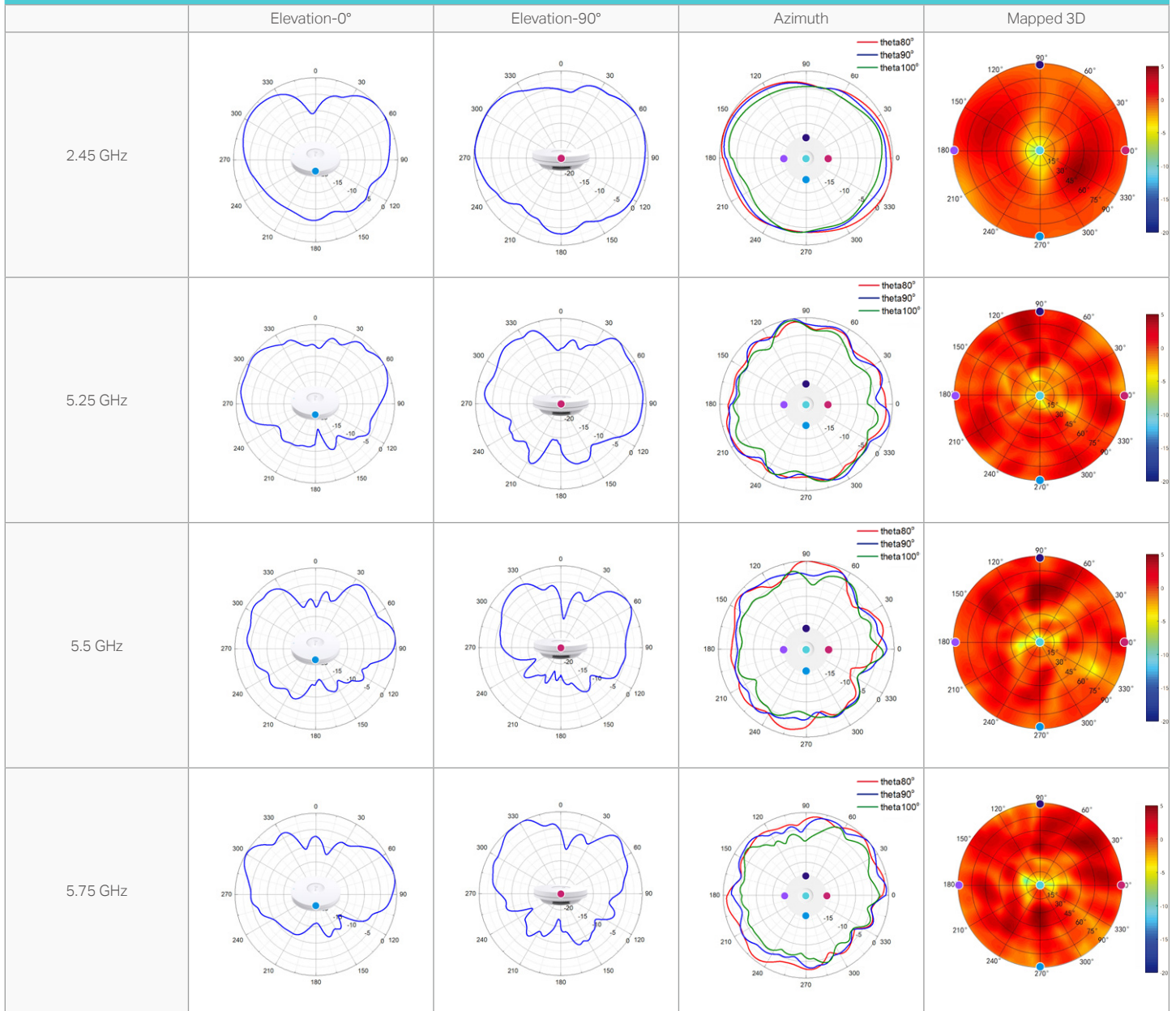


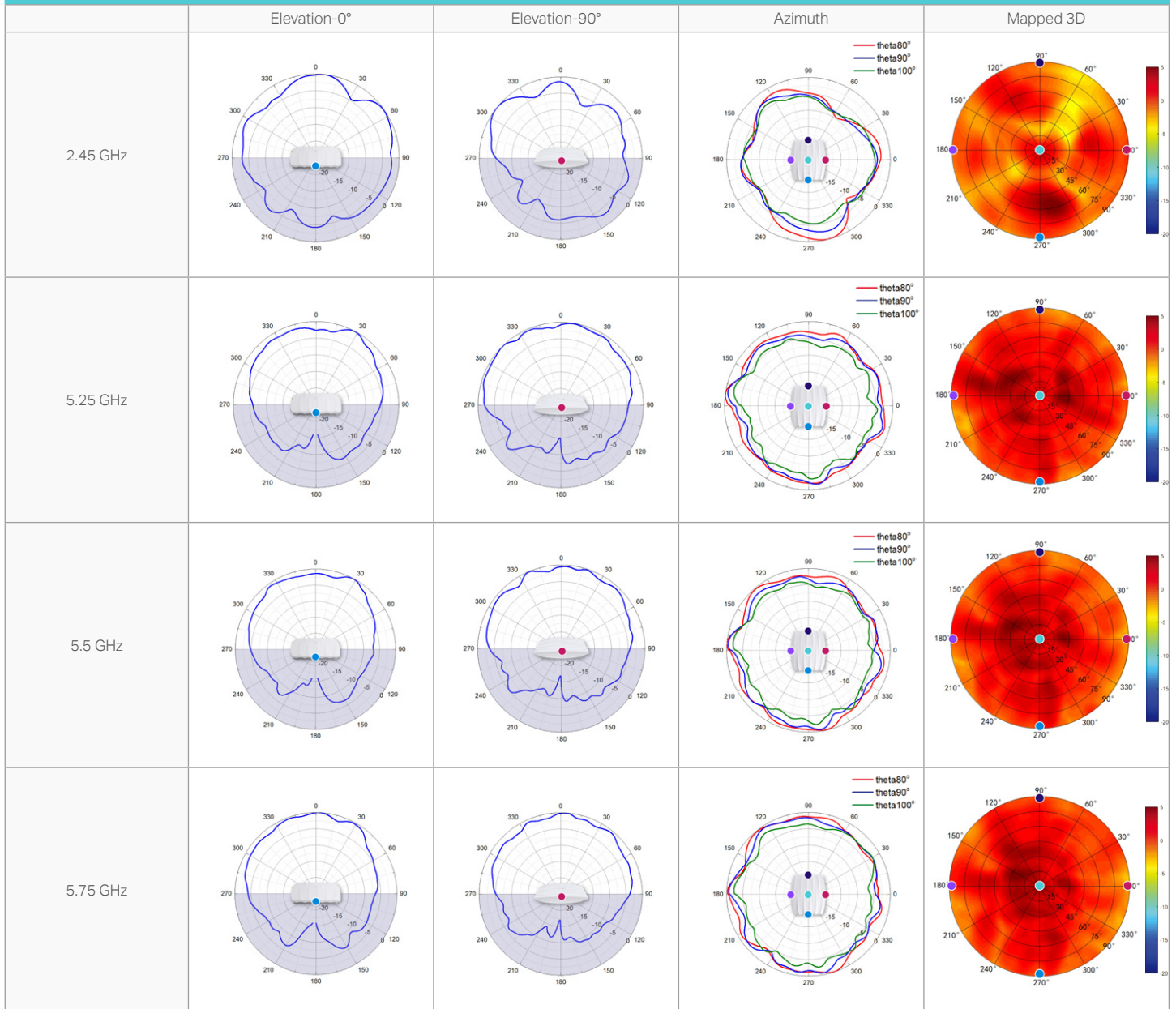
# Antenna Radiation Patterns

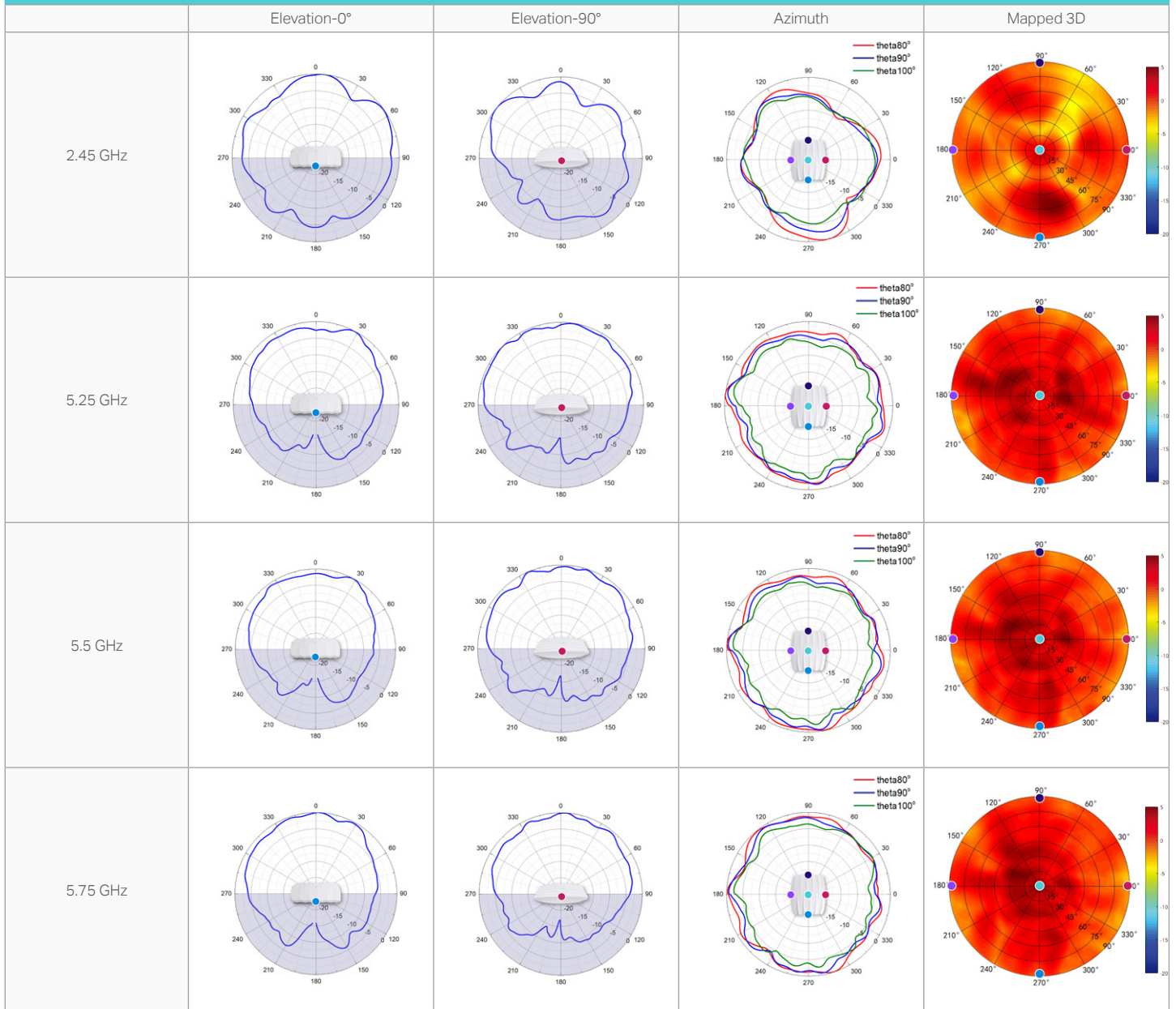
Ceiling Mount AP

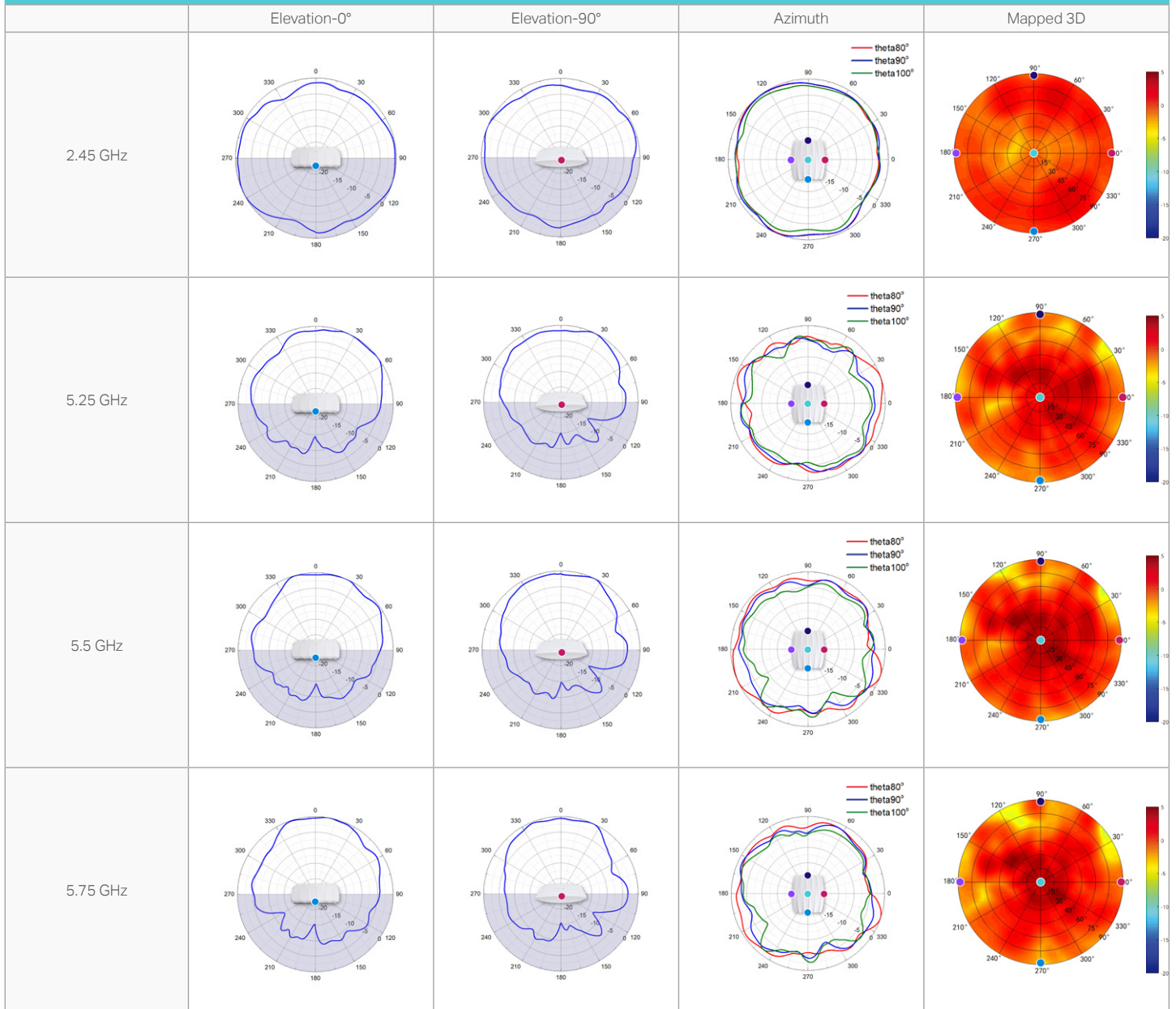
EAP660 HD





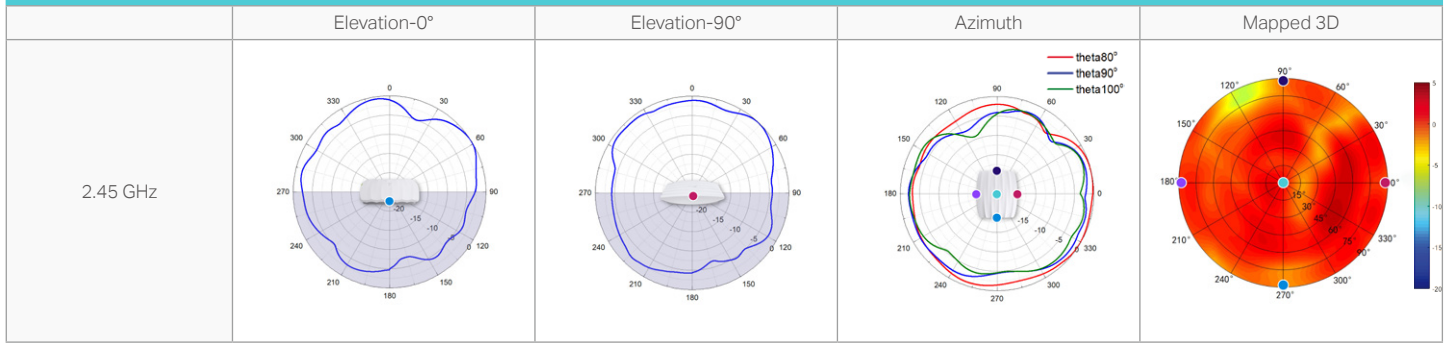






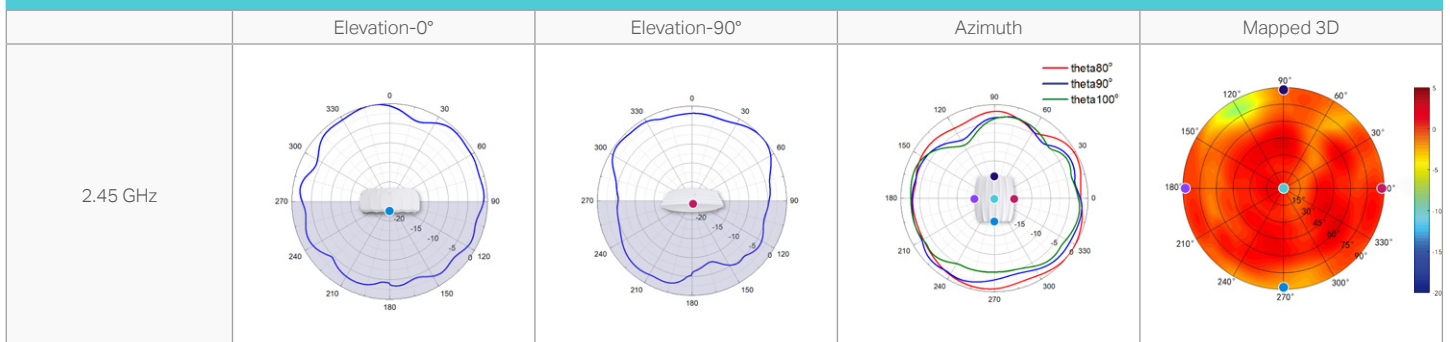
# Ceiling Mount AP

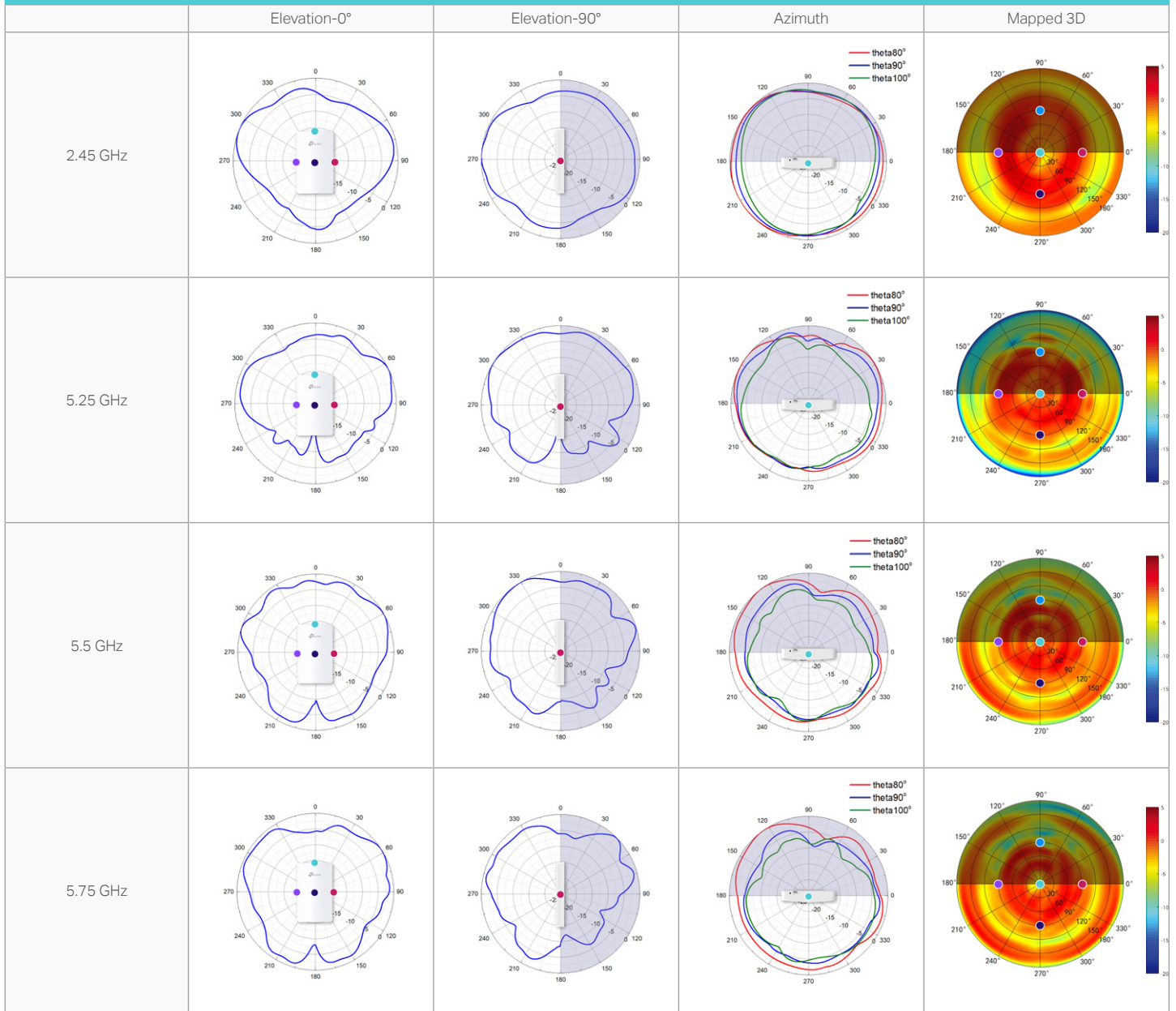
## EAP115

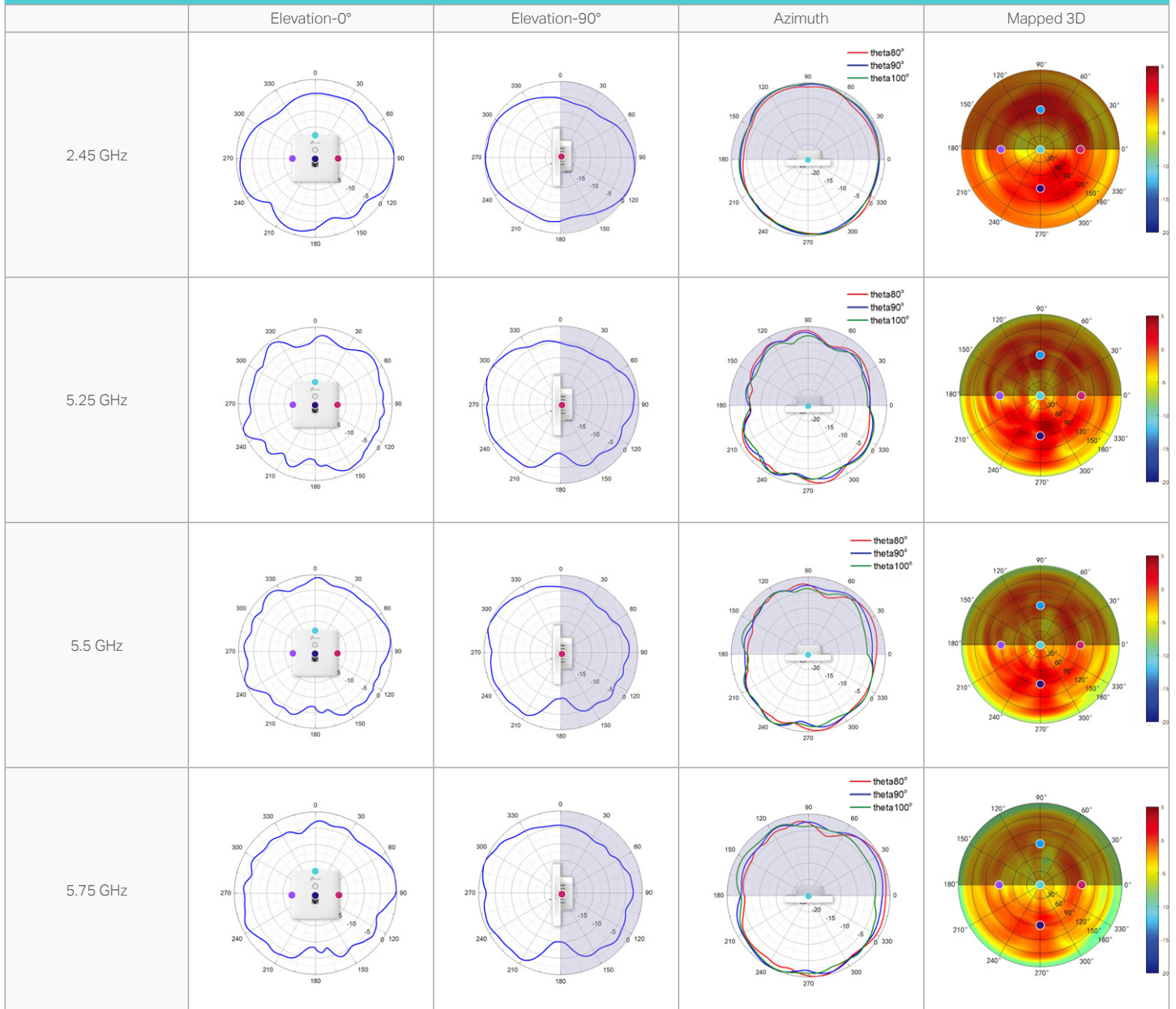


# Ceiling Mount AP

## EAP110



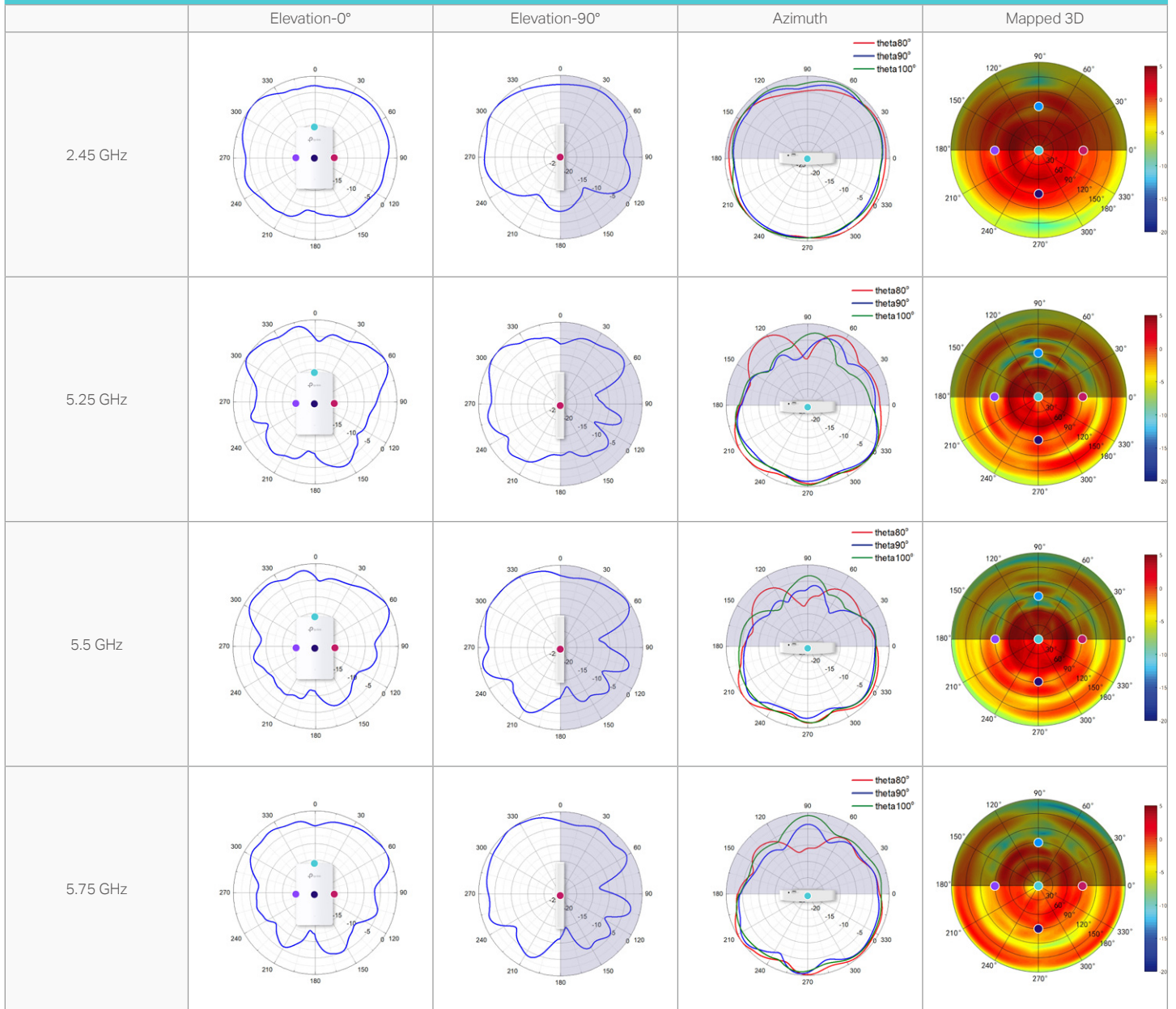






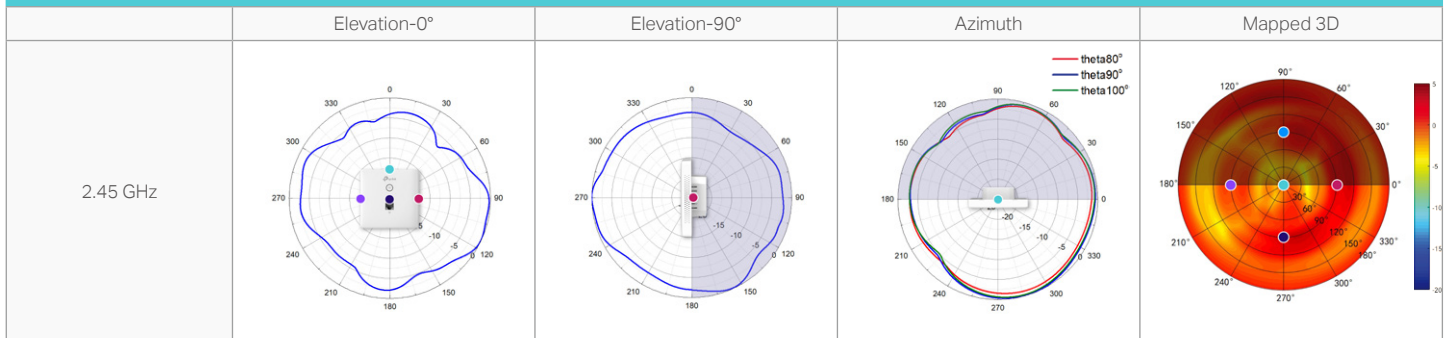
Wall Plate AP

EAP225-wall



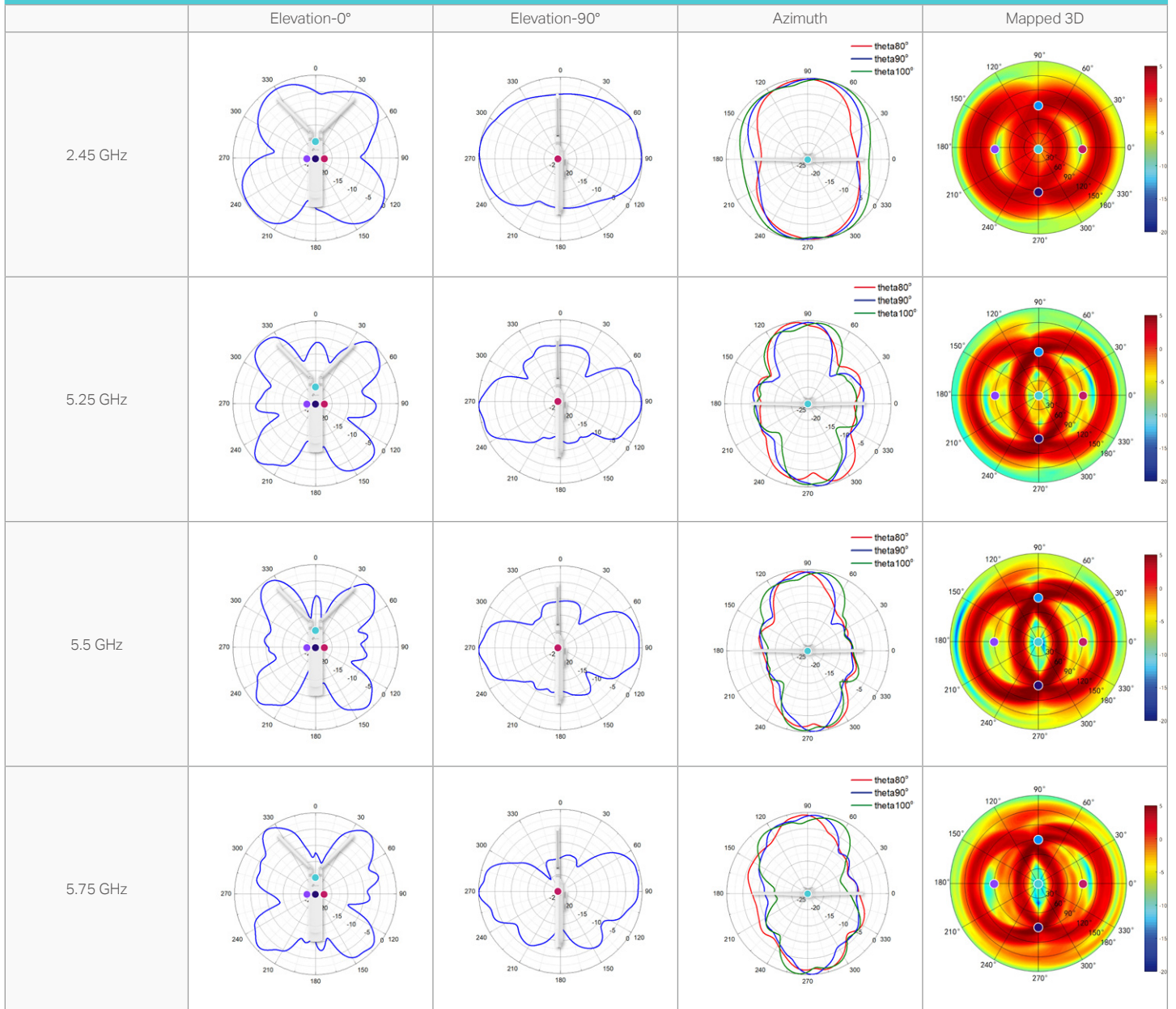
Wall Plate AP

EAP115-wall



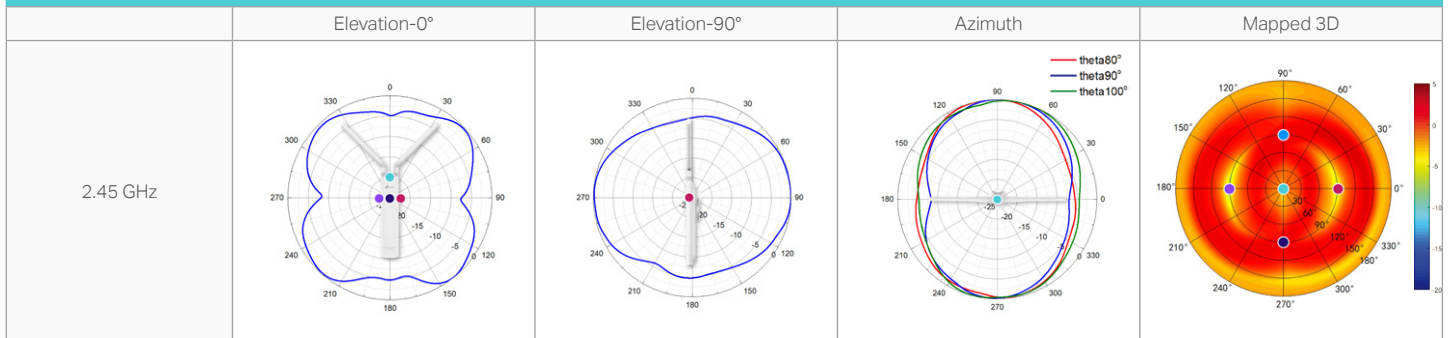
Outdoor AP

EAP225-outdoor



Outdoor AP

EAP110-outdoor



# Disclaimers

## Wireless Speed, Range and Connected Devices Disclaimer

Maximum wireless transmission rates are the physical rates derived from IEEE Standard 802.11 specifications. Range and coverage specifications along with the number of connected devices were defined according to test results under normal usage conditions. Actual wireless transmission rate, wireless coverage, and number of connected devices are not guaranteed, and will vary as a result of 1) environmental factors, including building materials, physical objects and obstacles, 2) network conditions, including local interference, volume and density of traffic, product location, network complexity, and network overhead and 3) client limitations, including rated performance, location, connection quality, and client condition.

## MU-MIMO Disclaimer

(for EAP265 HD / EAP245 / EAP225 / EAP225-Outdoor / EAP235-Wall / EAP230-Wall / EAP225-Wall)  
MU-MIMO capability requires client devices that also support MU-MIMO.

## Seamless Roaming Disclaimer

(for EAP265 HD / EAP245 / EAP225 / EAP225-Outdoor)  
Seamless roaming requires both the access point and client devices to support 802.11k and 802.11v protocols.

## Lightning and Electro-Static Discharge Protection Disclaimer

(for EAP225-Outdoor / EAP110-Outdoor)  
Protection against lightning and electro-static discharge may be achieved through proper product setup, grounding and cable shielding. Refer to the instruction manual and consult an IT professional to assist with setting up this product.

## PoE Disclaimer

PoE budget calculations are based on laboratory testing. Actual PoE power budget is not guaranteed and will vary as a result of client limitations and environmental factors.