



# Omada

## Business Class Wi-Fi Solution

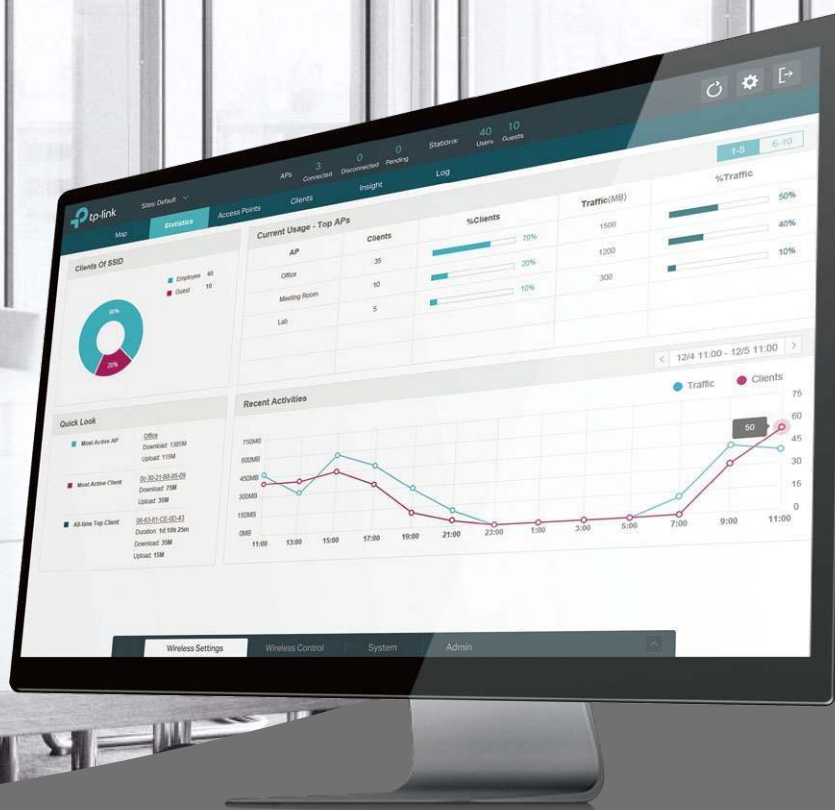
### Omada Cloud Controller:

OC200

### Omada EAP Series:

EAP245/EAP225/EAP225-Outdoor/EAP235-Wall/EAP225-Wall

EAP115/EAP110/EAP110-Outdoor/EAP115-Wall



Omada Software Controller



EAP245 V3/EAP225 V3  
EAP115/EAP110



EAP225-Outdoor  
EAP110-Outdoor



EAP115-Wall



EAP235-Wall  
EAP225-Wall

# Omada Solution



MALL



OFFICE



HOTEL



CAMPUS



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## Business-Class Wi-Fi Solution

Omada provides a business-class wireless network solution that's flexible, manageable, secure, and easy-to-deploy. Featuring cloud access, Omada Cloud Controller or Omada Software Controller allow users to centrally manage the entire Omada networks in the remote site. And the intuitive Omada app makes network management incredibly convenient. Omada EAPs also feature captive portal and advanced RF management functions, which make them ideal for demanding, high-traffic environments such as campuses, hotels, malls and offices.

## Highlights

### Impressive Performance

Enterprise-class chipsets, 802.11ac Wi-Fi standard, MU-MIMO, Seamless Roaming, and Mesh combine to ensure outstanding performance and reliability.

### Centralized Management

Omada Cloud Controller or Omada Software Controller allows users to centrally manage the entire Omada networks.

### Cloud Service

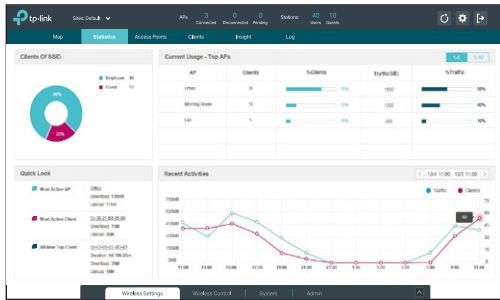
Remotely manage the whole network from anywhere, at any time.

### Easy to Use

No special training required to use the Omada products with the user-friendly and intuitive design.

# Omada Controller

Omada provides both software controller and hardware controller to centrally manage the entire Omada networks.



Omada Software Controller  
(Running on a PC or Server)



Omada Cloud Controller  
(Built in Software Controller)

## Convenient, Effective Management

### Cloud Management – Anywhere, Anytime

Omada Software Controller and Omada Cloud Controller allow network administrators to remotely monitor and manage the entire Omada networks. This dramatically enhances scalability and makes remote network management more convenient.



### Captive Portal - Customizable Guest Authentication

Captive portal helps maintain only authorized guests to use the network, presenting devices with a convenient, user-friendly authentication method to grant Wi-Fi access. The addition of SMS and Facebook authentication simplifies the captive portal even further to simplify connectivity and boost your business.

### Scheduling

Automatically reboot the access point and turn on or off the Wi-Fi at the time you set.

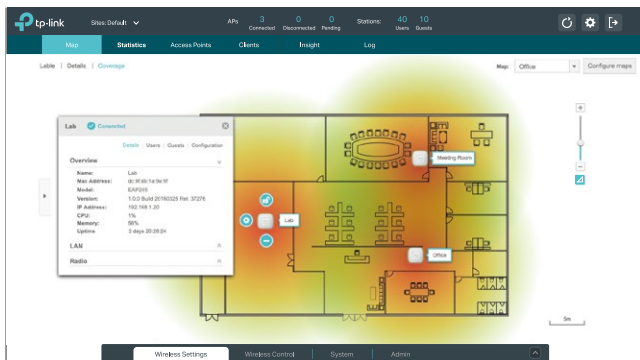
## Client Management

Real-time monitor the clients' status, limit the clients' bandwidth and block untrusted clients to ensure a better overall network performance.

## Real-Time Status Monitoring

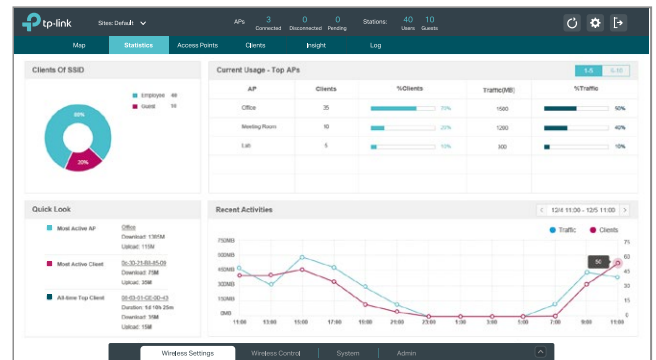
### Customized Map

The customized map feature makes managing your EAP network more convenient. You can upload floor plans and create a clear visual model that reflects your network and its coverage area.



### Statistics

The built-in data visualization tools allow you to analyze network traffic statistics for all connected APs. Graphic representations make recent client and network traffic figures easier to understand.



### Access Point

Provides a list of all EAPs, arranged by status, and offers real-time traffic data for each EAP, including the number of connected clients and the amount of data that each client consumes.

### Client

Lists all clients, including users and guests, allowing you to view each client's basic information and statistics in real time. This includes data rate, active time, and download/upload traffic.

## Omada APP

Network management has never been easier with the intuitive Omada app offering powerful management tools from the palm of your hands.



# 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 and 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.

## 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 software controller.

1. Only EAP245 V3, EAP225 V3 and EAP225-Outdoor support seamless roaming.
2. Only the EAP225-Outdoor and EAP 225 v3 with specific firmware are available for Mesh. EAP245 V3 will support mesh soon.

# Omada Business Class Wi-Fi Solution

## 802.11ac Access Points

|                   |                                                                                   |                                                                                   |                                                                                         |
|-------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| Picture           |  |  |      |
| Model             | EAP245 V3                                                                         | EAP225 V3                                                                         | EAP225-Outdoor                                                                          |
| Product           | AC1750 Wireless MU-MIMO Gigabit Ceiling Mount Access Point                        | AC1350 Wireless MU-MIMO Gigabit Ceiling Mount Access Point                        | AC1200 Wireless MU-MIMO Gigabit Indoor/Outdoor Access Point                             |
| Speed             | 2.4GHz: 450 Mbps<br>5GHz: 1300 Mbps                                               | 2.4GHz: 450 Mbps<br>5GHz: 867 Mbps                                                | 2.4GHz: 300 Mbps<br>5GHz: 867 Mbps                                                      |
| Ethernet Port     | 2 10/100/1000 Mbps Ethernet Ports                                                 | 1 10/100/1000 Mbps Ethernet Port                                                  | 1 10/100/1000 Mbps Ethernet Port                                                        |
| Power Supply      | 802.3af & 48 V Passive PoE                                                        | 802.3af & 24 V Passive PoE                                                        | 802.3af & 24 V Passive PoE                                                              |
| Internal Antennas | 2.4GHz: 3 x 3.5 dBi<br>5GHz: 3 x 4 dBi                                            | 2.4GHz: 3 x 4 dBi<br>5GHz: 2 x 5 dBi                                              | 2 Dual-Band Omni Antennas (External Detachable)<br>2.4GHz: 2 x 3 dBi<br>5GHz: 2 x 4 dBi |

## 802.11ac Access Points

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

## 802.11n Access Points

|                   |                                                                                     |                                                                                     |                                                                                       |                                                                                       |
|-------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Picture           |  |  |  |  |
| Model             | EAP115                                                                              | EAP110                                                                              | EAP110-Outdoor                                                                        | EAP115-Wall                                                                           |
| Product           | 300 Mbps Wireless N Access Point                                                    | 300 Mbps Wireless N Access Point                                                    | 300 Mbps Wireless N Outdoor Access Point                                              | 300 Mbps Wireless N Wall Plate Access Point                                           |
| Speed             | 2.4GHz: 300 Mbps                                                                    | 2.4GHz: 300 Mbps                                                                    | 2.4GHz: 300 Mbps                                                                      | 2.4 GHz: 300 Mbps                                                                     |
| Ethernet Port     | 1 10/100 Mbps Ethernet Port                                                         | 1 10/100 Mbps Ethernet Port                                                         | 1 10/100 Mbps Ethernet Port                                                           | 2 10/100 Mbps Ethernet Ports                                                          |
| Power Supply      | 802.3af & 9 V/0.6A DC                                                               | 24 V Passive PoE                                                                    | 24 V Passive PoE                                                                      | 802.3af                                                                               |
| Internal Antennas | 2 x 4 dBi                                                                           | 2 x 4 dBi                                                                           | 2 Omni Antennas (External Detachable)<br>2 x 3 dBi                                    | 2 x 1.8 dBi                                                                           |

# Specifications

| Omada Cloud Controller |                           |                                                                                                                                                                                        |
|------------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Picture        |                           |                                                                                                       |
| Model                  |                           | OC200                                                                                                                                                                                  |
| Product Description    |                           | Omada Cloud Controller                                                                                                                                                                 |
| Main Design            | Processor                 | Dual-Core Cortex-A53, 1 GHz                                                                                                                                                            |
|                        | Memory Information        | 1 GB DDR3                                                                                                                                                                              |
|                        | Storage                   | 4 GB EMMC                                                                                                                                                                              |
|                        | Interface                 | 2 10/100 Mbps Ethernet Ports; 1 USB 2.0 Port; 1 Micro USB Port                                                                                                                         |
| Hardware Design        | Power Supply              | 802.3af/802.3at PoE; Micro USB (DC 5V/Minimum 1A)                                                                                                                                      |
|                        | Dimensions                | 100 × 98 × 25 mm                                                                                                                                                                       |
| AP Management          | Supported AP              | TP-Link Omada EAP Series                                                                                                                                                               |
|                        | AP Automatic Discovery    | •                                                                                                                                                                                      |
|                        | AP Unified Configuration  | •                                                                                                                                                                                      |
|                        | L3 Management             | •                                                                                                                                                                                      |
|                        | Reboot Schedule           | •                                                                                                                                                                                      |
|                        | Online Firmware Upgrade   | •                                                                                                                                                                                      |
| Monitoring             | AP Status                 | •                                                                                                                                                                                      |
|                        | Client Status             | •                                                                                                                                                                                      |
|                        | Statistics                | •                                                                                                                                                                                      |
|                        | Insight                   | •                                                                                                                                                                                      |
| Security               | Encryption                | WEP/WPA-PSK/WPA2-PSK/WPA/WPA2                                                                                                                                                          |
|                        | Access Control            | •                                                                                                                                                                                      |
|                        | SSID to VLAN Mapping      | •                                                                                                                                                                                      |
|                        | Management VLAN           | •                                                                                                                                                                                      |
|                        | MAC Filter                | •                                                                                                                                                                                      |
| Wireless Function      | Captive Portal            | SMS, Facebook Wi-Fi, Voucher, Local User, Simple Password, External RADIUS Portal                                                                                                      |
|                        | Seamless Roaming          | •                                                                                                                                                                                      |
|                        | Mesh                      | •                                                                                                                                                                                      |
|                        | Band Steering             | •                                                                                                                                                                                      |
|                        | Load Balance              | •                                                                                                                                                                                      |
|                        | Beamforming               | •                                                                                                                                                                                      |
|                        | Rate Limit                | Based on SSID/Client                                                                                                                                                                   |
|                        | Transmit Power Adjustment | •                                                                                                                                                                                      |
|                        | Wireless Schedule         | •                                                                                                                                                                                      |
| System Management      | Backup& Restore           | •                                                                                                                                                                                      |
|                        | Log                       | •                                                                                                                                                                                      |
|                        | Auto Backup               | •                                                                                                                                                                                      |
|                        | Cloud Access              | •                                                                                                                                                                                      |
|                        | APP Support               | •                                                                                                                                                                                      |
| Others                 | Certifications            | CE, FCC, RoHS                                                                                                                                                                          |
|                        | 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 |

| 802.11ac Indoor Access Points |                               |                                                                                                                                                                                                |   |                                                                                                 |
|-------------------------------|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|-------------------------------------------------------------------------------------------------|
| Model                         |                               | EAP245 V3                                                                                                                                                                                      |   | EAP225 V3                                                                                       |
| Name                          |                               | AC1750 Wireless MU-MIMO Gigabit Ceiling Mount Access Point                                                                                                                                     |   | AC1350 Wireless MU-MIMO Gigabit Ceiling Mount Access Point                                      |
| Main Design                   | LAN Interfaces                | 2 10/100/1000 Mbps Ethernet Ports                                                                                                                                                              |   | 1 10/100/1000 Mbps Ethernet Port                                                                |
|                               | Wi-Fi Standards               | IEEE 802.11 a/b/g/n/ac                                                                                                                                                                         |   |                                                                                                 |
|                               | Maximum Data Rate             | Up to 450 Mbps (2.4 GHz) + 1300 Mbps (5 GHz)                                                                                                                                                   |   | Up to 450 Mbps (2.4 GHz) + 867 Mbps (5 GHz)                                                     |
|                               | Internal Antennas             | 2.4 GHz: 3 x 3.5 dBi, 5 GHz: 3 x 4 dBi                                                                                                                                                         |   | 2.4 GHz: 3 x 4 dBi, 5 GHz: 2 x 5 dBi                                                            |
|                               | Transmit Power                | CE: <20 dBm (2.4 GHz, EIRP)<br><28 dBm (5 GHz, EIRP)<br>FCC: <24 dBm (2.4 GHz)<br><24 dBm (5 GHz)                                                                                              |   | CE: <20 dBm (2.4 GHz, EIRP)<br><27 dBm (5 GHz, EIRP)<br>FCC: <24 dBm(2.4 GHz)<br><22 dBm(5 GHz) |
| Centralized Management        | Omada Controller Software     | •                                                                                                                                                                                              |   |                                                                                                 |
|                               | Omada Cloud Controller OC200  | •                                                                                                                                                                                              |   |                                                                                                 |
|                               | Omada app                     | •                                                                                                                                                                                              |   |                                                                                                 |
| Security                      | Captive Portal Authentication | •                                                                                                                                                                                              |   |                                                                                                 |
|                               | Access Control                | •                                                                                                                                                                                              |   |                                                                                                 |
|                               | Rogue AP Detection            | •                                                                                                                                                                                              |   |                                                                                                 |
|                               | Wireless Encryption           | WEP, WPA/WPA2-Personal/Enterprise Encryption                                                                                                                                                   |   |                                                                                                 |
|                               | 802.1X Support                | •                                                                                                                                                                                              |   |                                                                                                 |
| Wireless Function             | Multiple SSIDs                | 16 ( 8 on each band )                                                                                                                                                                          |   |                                                                                                 |
|                               | Automatic Channel Assignment  | •                                                                                                                                                                                              |   |                                                                                                 |
|                               | QoS(WMM)                      | •                                                                                                                                                                                              |   |                                                                                                 |
|                               | MU-MIMO                       | •                                                                                                                                                                                              |   |                                                                                                 |
|                               | Seamless Roaming              | •                                                                                                                                                                                              |   |                                                                                                 |
|                               | Airtime Fairness              | •                                                                                                                                                                                              |   |                                                                                                 |
|                               | Beamforming                   | •                                                                                                                                                                                              |   |                                                                                                 |
|                               | Band Steering                 | •                                                                                                                                                                                              |   |                                                                                                 |
|                               | Rate Limit                    | •                                                                                                                                                                                              |   |                                                                                                 |
|                               | Load Balance                  | •                                                                                                                                                                                              |   |                                                                                                 |
|                               | RADIUS Accounting             | •                                                                                                                                                                                              |   |                                                                                                 |
|                               | MAC Authentication            | •                                                                                                                                                                                              |   |                                                                                                 |
|                               | Mesh                          | -                                                                                                                                                                                              | • |                                                                                                 |
|                               | Reboot Schedule               | •                                                                                                                                                                                              |   |                                                                                                 |
|                               | Wireless Schedule             | •                                                                                                                                                                                              |   |                                                                                                 |
| Support Data Rates            | 802.11ac                      | 5 GHz:6.5 Mbps to 1300 Mbps (MCS0-MCS9,NSS = 1 to 3 VHT20/40/80)                                                                                                                               |   | 5 GHz: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 450 Mbps (MCS0 - MCS23, HT20/40)                                                    |
|                               | 802.11g                       | 6, 9, 12, 18, 24, 36, 48, 54 Mbps                                                                                                                                                              |   |                                                                                                 |
|                               | 802.11b                       | 1, 5.5, 11 Mbps                                                                                                                                                                                |   |                                                                                                 |
|                               | 802.11a                       | 6, 9, 12, 18, 24, 36, 48, 54 Mbps                                                                                                                                                              |   |                                                                                                 |
| 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 24 V Passive PoE (+4,5 pins; -7,8 pins. PoE Adapter Included)                    |
|                               | Maximum Power Consumption     | 12.3 W                                                                                                                                                                                         |   | 12.6 W                                                                                          |
|                               | Mounting                      | Ceiling/Wall mounting (Kits included)                                                                                                                                                          |   |                                                                                                 |
|                               | Certifications                | CE, FCC, RoHS                                                                                                                                                                                  |   |                                                                                                 |
|                               | Dimensions (W x D x H)        | 205.4 x 181.6 x 37.4 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 |   |                                                                                                 |

## 802.11n Indoor Access Points

|                        |                               |                                                                                                                                                                                                    |                                                               |
|------------------------|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|
| Model                  |                               | EAP115                                                                                                                                                                                             | EAP110                                                        |
| Name                   |                               | 300 Mbps Wireless N Access Point                                                                                                                                                                   | 300 Mbps Wireless N Access Point                              |
| Main Design            | LAN Interfaces                | 1 10/100 Mbps Ethernet Port                                                                                                                                                                        |                                                               |
|                        | Wireless Frequency            | 2.4 GHz                                                                                                                                                                                            |                                                               |
|                        | Wi-Fi Standards               | IEEE802.11b/g/n                                                                                                                                                                                    |                                                               |
|                        | Maximum Data Rate             | 300 Mbps                                                                                                                                                                                           |                                                               |
|                        | Internal Antennas             | 2 × 4 dBi                                                                                                                                                                                          |                                                               |
|                        | Transmit Power                | CE: < 19 dBm (EIRP), FCC: <21 dBm                                                                                                                                                                  |                                                               |
| Centralized Management | Omada Software Controller     | •                                                                                                                                                                                                  |                                                               |
|                        | Omada Cloud Controller OC200  | •                                                                                                                                                                                                  |                                                               |
|                        | Omada app                     | •                                                                                                                                                                                                  |                                                               |
| Security               | Captive Portal Authentication | •                                                                                                                                                                                                  |                                                               |
|                        | Access Control                | •                                                                                                                                                                                                  |                                                               |
|                        | Rogue AP Detection            | •                                                                                                                                                                                                  |                                                               |
|                        | Wireless Encryption           | WEP, WPA/WPA2-Personal/Enterprise Encryption                                                                                                                                                       |                                                               |
|                        | 802.1X Support                | •                                                                                                                                                                                                  |                                                               |
| Wireless Function      | Multiple SSIDs                | 8                                                                                                                                                                                                  |                                                               |
|                        | Automatic Channel Assignment  | •                                                                                                                                                                                                  |                                                               |
|                        | QoS(WMM)                      | •                                                                                                                                                                                                  |                                                               |
|                        | Airtime Fairness              | -                                                                                                                                                                                                  |                                                               |
|                        | Beamforming                   | -                                                                                                                                                                                                  |                                                               |
|                        | Band Steering                 | -                                                                                                                                                                                                  |                                                               |
|                        | Rate Limit                    | •                                                                                                                                                                                                  |                                                               |
|                        | Load Balance                  | •                                                                                                                                                                                                  |                                                               |
|                        | RADIUS Accounting             | •                                                                                                                                                                                                  |                                                               |
|                        | MAC Authentication            | •                                                                                                                                                                                                  |                                                               |
|                        | Reboot Schedule               | •                                                                                                                                                                                                  |                                                               |
|                        | Wireless Schedule             | •                                                                                                                                                                                                  |                                                               |
| Support Data Rates     | 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                       | -                                                                                                                                                                                                  |                                                               |
| Physical & Environment | Power Supply                  | 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     | 2.8 W                                                                                                                                                                                              |                                                               |
|                        | Mounting                      | Ceiling/Wall mounting (Kits included)                                                                                                                                                              |                                                               |
|                        | Certifications                | CE, FCC, RoHS                                                                                                                                                                                      |                                                               |
|                        | Dimensions (W x D x H)        | 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; |                                                               |

## 802.11ac Outdoor Access Point

|                        |                                    |                                                                                                                                                                                                   |
|------------------------|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model                  |                                    | EAP225-Outdoor                                                                                                                                                                                    |
| Name                   |                                    | AC1200 Wireless MU-MIMO Gigabit Indoor/Outdoor Access Point                                                                                                                                       |
| Main Design            | LAN Interfaces                     | 1 10/100/1000 Mbps Gigabit Ethernet Port                                                                                                                                                          |
|                        | Wireless Frequency                 | 2.4 GHz/5 GHz                                                                                                                                                                                     |
|                        | Wi-Fi Standards                    | IEEE 802.11a/b/g/n/ac                                                                                                                                                                             |
|                        | Maximum Data Rate                  | Up to 300 Mbps (2.4 GHz) + 867 Mbps (5 GHz)                                                                                                                                                       |
|                        | Antennas                           | 2 Dual-Band Omni Antennas (External Detachable)<br>2.4 GHz: 3 dBi; 5 GHz: 4 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)                                                                                                    |
| Centralized Management | Omada Software Controller          | •                                                                                                                                                                                                 |
|                        | Omada Cloud Controller OC200       | •                                                                                                                                                                                                 |
|                        | Omada app                          | •                                                                                                                                                                                                 |
| Security               | Captive Portal Authentication      | •                                                                                                                                                                                                 |
|                        | Access Control                     | •                                                                                                                                                                                                 |
|                        | Wireless MAC Address Filtering     | •                                                                                                                                                                                                 |
|                        | Wireless Isolation between Clients | •                                                                                                                                                                                                 |
|                        | SSID to VLAN Mapping               | •                                                                                                                                                                                                 |
|                        | Rogue AP Detection                 | •                                                                                                                                                                                                 |
|                        | WEP Encryption                     | 64/128/152-bit                                                                                                                                                                                    |
|                        | WPA/WPA2-Personal Encryption       | •                                                                                                                                                                                                 |
|                        | WPA/WPA2-Enterprise Encryption     | •                                                                                                                                                                                                 |
|                        | 802.1X Support                     | •                                                                                                                                                                                                 |
| Wireless Function      | Multiple SSIDs                     | 16 (8 for each band)                                                                                                                                                                              |
|                        | Enable/Disable Wireless Radio      | •                                                                                                                                                                                                 |
|                        | Automatic Channel Assignment       | •                                                                                                                                                                                                 |
|                        | Transmit Power Control             | Adjust transmit Power on dBm                                                                                                                                                                      |
|                        | QoS(WMM)                           | •                                                                                                                                                                                                 |
|                        | MU-MIMO                            | •                                                                                                                                                                                                 |
|                        | Seamless Roaming                   | •                                                                                                                                                                                                 |
|                        | Mesh                               | •                                                                                                                                                                                                 |
|                        | Airtime Fairness                   | •                                                                                                                                                                                                 |
|                        | Beamforming                        | •                                                                                                                                                                                                 |
|                        | Band Steering                      | •                                                                                                                                                                                                 |
|                        | Rate Limit                         | •                                                                                                                                                                                                 |
|                        | Load Balance                       | •                                                                                                                                                                                                 |
|                        | RADIUS Accounting                  | •                                                                                                                                                                                                 |
|                        | MAC Authentication                 | •                                                                                                                                                                                                 |
|                        | Reboot Schedule                    | •                                                                                                                                                                                                 |
|                        | Wireless Schedule                  | •                                                                                                                                                                                                 |
|                        | Wireless Statistics                | Based on SSID/AP/Client                                                                                                                                                                           |
| Support Data Rates     | 802.11ac                           | 5 GHz: 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                            | 1,5,5,11 Mbps                                                                                                                                                                                     |
|                        | 802.11a                            | 6, 9, 12, 18, 24, 36, 48, 54 Mbps                                                                                                                                                                 |
| Physical Properties    | Power Supply                       | 802.3af PoE or 24 V Passive PoE(+4,5 pins; -7,8 pins. PoE Adapter Included)                                                                                                                       |
|                        | Maximum Power Consumption          | 10.5 W                                                                                                                                                                                            |
|                        | Mounting                           | Pole/Wall/Fast Mounting (Kits included)                                                                                                                                                           |
|                        | Certifications                     | CE, FCC, RoHS                                                                                                                                                                                     |
|                        | Dimensions (W x D x H)             | 214.9 x 46 x 26.7 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 |

## 802.11n Outdoor Access Point

|                        |                                    |                                                                                                                                                                                                       |
|------------------------|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model                  |                                    | EAP110-Outdoor                                                                                                                                                                                        |
| Name                   |                                    | 300 Mbps Wireless N Outdoor Access Point                                                                                                                                                              |
| Main Design            | LAN Interfaces                     | 1 10/100 Mbps Ethernet Port                                                                                                                                                                           |
|                        | Wireless Frequency                 | 2.4 GHz                                                                                                                                                                                               |
|                        | Wi-Fi Standards                    | IEEE 802.11b/g/n                                                                                                                                                                                      |
|                        | Maximum Data Rate                  | Up to 300 Mbps                                                                                                                                                                                        |
|                        | Antennas                           | 2 Omni Antennas (External Detachable)<br>2.4 GHz: 3 dBi                                                                                                                                               |
|                        | Transmit Power                     | CE: < 20 dBm (EIRP), FCC: < 22 dBm                                                                                                                                                                    |
| Centralized Management | Omada Software Controller          | •                                                                                                                                                                                                     |
|                        | Omada Cloud Controller OC200       | •                                                                                                                                                                                                     |
|                        | Omada app                          | •                                                                                                                                                                                                     |
| Security               | Captive Portal Authentication      | •                                                                                                                                                                                                     |
|                        | Access Control                     | •                                                                                                                                                                                                     |
|                        | Wireless MAC Address Filtering     | •                                                                                                                                                                                                     |
|                        | Wireless Isolation between Clients | •                                                                                                                                                                                                     |
|                        | SSID to VLAN Mapping               | •                                                                                                                                                                                                     |
|                        | Rogue AP Detection                 | •                                                                                                                                                                                                     |
|                        | WEP Encryption                     | 64/128/152-bit                                                                                                                                                                                        |
|                        | WPA/WPA2-Personal Encryption       | •                                                                                                                                                                                                     |
|                        | WPA/WPA2-Enterprise Encryption     | •                                                                                                                                                                                                     |
|                        | 802.1X Support                     | •                                                                                                                                                                                                     |
| Wireless Function      | Multiple SSIDs                     | 8                                                                                                                                                                                                     |
|                        | Enable/Disable Wireless Radio      | •                                                                                                                                                                                                     |
|                        | Automatic Channel Assignment       | •                                                                                                                                                                                                     |
|                        | Transmit Power Control             | Adjust transmit Power on dBm                                                                                                                                                                          |
|                        | QoS(WMM)                           | •                                                                                                                                                                                                     |
|                        | Rate Limit                         | •                                                                                                                                                                                                     |
|                        | Load Balance                       | •                                                                                                                                                                                                     |
|                        | RADIUS Accounting                  | •                                                                                                                                                                                                     |
|                        | MAC Authentication                 | •                                                                                                                                                                                                     |
|                        | Reboot Schedule                    | •                                                                                                                                                                                                     |
|                        | Wireless Schedule                  | •                                                                                                                                                                                                     |
|                        | Wireless Statistics                | Based on SSID/AP/Client                                                                                                                                                                               |
| Support Data Rates     | 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, 5.5, 11 Mbps                                                                                                                                                                                       |
|                        | 802.11a                            | -                                                                                                                                                                                                     |
| Management             | LED ON/OFF Control                 | •                                                                                                                                                                                                     |
|                        | Management MAC Access Control      | •                                                                                                                                                                                                     |
|                        | Web-based Management               | HTTP/HTTPS                                                                                                                                                                                            |
|                        | Telnet                             | •                                                                                                                                                                                                     |
|                        | SNMP                               | v1,v2c                                                                                                                                                                                                |
|                        | System Logging                     | Local/Remote Syslog                                                                                                                                                                                   |
|                        | Email Alerts                       | •                                                                                                                                                                                                     |
| Physical & Environment | Power Supply                       | 24 V Passive PoE(+4,5 pins; -7,8 pins. PoE Adapter Included)                                                                                                                                          |
|                        | Maximum Power Consumption          | 3.1 W                                                                                                                                                                                                 |
|                        | Button                             | Reset Button                                                                                                                                                                                          |
|                        | Mounting                           | Pole/Wall mounting (Kits included)                                                                                                                                                                    |
| Others                 | Certifications                     | CE,RoHS                                                                                                                                                                                               |
|                        | Dimensions (W x D x H)             | 216 x 46 x 27 mm                                                                                                                                                                                      |
|                        | Environment                        | 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; |

| 802.11ac Wall-Plate Access Points |                                    |                                                                                                                                                                                                    |                                        |
|-----------------------------------|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| Model                             |                                    | EAP235-Wall                                                                                                                                                                                        |                                        |
| Name                              |                                    | EAP225-Wall                                                                                                                                                                                        |                                        |
|                                   |                                    | AC1200 Wireless MU-MIMO Gigabit 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)                                                                                     |                                        |
|                                   | Wireless Frequency                 | 2.4 GHz & 5 GHz                                                                                                                                                                                    |                                        |
|                                   | Wi-Fi Standards                    | IEEE 802.11a/b/g/n/ac                                                                                                                                                                              |                                        |
|                                   | Maximum Data Rate                  | Up to 300 Mbps (2.4 GHz) + 867 Mbps (5 GHz)                                                                                                                                                        |                                        |
|                                   | Antennas                           | 2.4 GHz: 2 x 4 dBi<br>5 GHz: 2 x 4 dBi                                                                                                                                                             | 2.4 GHz: 2 x 3 dBi<br>5 GHz: 2 x 4 dBi |
|                                   | Transmit Power                     | CE: <20 dBm (2.4 GHz, EIRP)<br><23 dBm (5 GHz, EIRP)<br>FCC: <21 dBm (2.4 GHz)<br><21 dBm (5 GHz)                                                                                                  |                                        |
|                                   | Power over Ethernet (PoE)          | 802.3af/at                                                                                                                                                                                         |                                        |
| Centralized Management            | Omada Controller Software          | •                                                                                                                                                                                                  |                                        |
|                                   | Omada Cloud Controller OC200       | •                                                                                                                                                                                                  |                                        |
|                                   | Omada app                          | •                                                                                                                                                                                                  |                                        |
| Security                          | Captive Portal Authentication      | •                                                                                                                                                                                                  |                                        |
|                                   | Access Control                     | •                                                                                                                                                                                                  |                                        |
|                                   | Wireless MAC Address Filtering     | •                                                                                                                                                                                                  |                                        |
|                                   | Wireless Isolation between Clients | •                                                                                                                                                                                                  |                                        |
|                                   | SSID to VLAN Mapping               | •                                                                                                                                                                                                  |                                        |
|                                   | Rogue AP Detection                 | •                                                                                                                                                                                                  |                                        |
|                                   | 802.1X Support                     | •                                                                                                                                                                                                  |                                        |
| Wireless Function                 | Encryption                         | WEP, WPA/WPA2-PSK, WPA/WPA2-Enterprise                                                                                                                                                             |                                        |
|                                   | Multiple SSIDs                     | 16 (8 for each band)                                                                                                                                                                               |                                        |
|                                   | Automatic Channel Assignment       | •                                                                                                                                                                                                  |                                        |
|                                   | Transmit Power Control             | Adjust transmit Power on dBm                                                                                                                                                                       |                                        |
|                                   | QoS(WMM)                           | •                                                                                                                                                                                                  |                                        |
|                                   | MU-MIMO                            | •                                                                                                                                                                                                  |                                        |
|                                   | Airtime Fairness                   | -                                                                                                                                                                                                  |                                        |
|                                   | Band Steering                      | •                                                                                                                                                                                                  |                                        |
|                                   | Beamforming                        | •                                                                                                                                                                                                  |                                        |
|                                   | Rate Limit                         | •                                                                                                                                                                                                  |                                        |
|                                   | Load Balance                       | •                                                                                                                                                                                                  |                                        |
|                                   | RADIUS Accounting                  | •                                                                                                                                                                                                  |                                        |
|                                   | MAC Authentication                 | •                                                                                                                                                                                                  |                                        |
|                                   | Reboot Schedule                    | •                                                                                                                                                                                                  |                                        |
|                                   | Wireless Schedule                  | •                                                                                                                                                                                                  |                                        |
| Support Data Rates                | 802.11ac                           | 5 GHz: 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, 5.5, 11 Mbps                                                                                                                                                                                    |                                        |
|                                   | 802.11a                            | 6, 9, 12, 18, 24, 36, 48, 54 Mbps                                                                                                                                                                  |                                        |
| Physical Properties               | Power Supply                       | 802.3af/at PoE                                                                                                                                                                                     |                                        |
|                                   | Maximum Power Consumption          | 9.8 W (Without PoE Out)                                                                                                                                                                            | 9.86 W (Without PoE Out)               |
|                                   | Mounting                           | Wall Plate Mouting                                                                                                                                                                                 |                                        |
|                                   | Certifications                     | CE, FCC, RoHS                                                                                                                                                                                      |                                        |
|                                   | Dimensions                         | 143 x 86 x 20 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; |                                        |

| 802.11n Wall-Plate Access Point |                                    |                                                                                                                                                                                                    |
|---------------------------------|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model                           |                                    | EAP115-Wall                                                                                                                                                                                        |
| Name                            |                                    | 300 Mbps Wireless N Wall-Plate Access Point                                                                                                                                                        |
| Main Design                     | LAN Interfaces                     | 2 10/100 Mbps Ethernet Ports                                                                                                                                                                       |
|                                 | Wireless Frequency                 | 2.4 GHz                                                                                                                                                                                            |
|                                 | Wi-Fi Standards                    | IEEE 802.11 b/g/n                                                                                                                                                                                  |
|                                 | Maximum Data Rate                  | Up to 300 Mbps                                                                                                                                                                                     |
|                                 | Antennas                           | 2 x 1.8 dBi                                                                                                                                                                                        |
|                                 | Transmit Power                     | CE: < 20 dBm                                                                                                                                                                                       |
|                                 | Power over Ethernet (PoE)          | IEEE 802.3af                                                                                                                                                                                       |
| Centralized Management          | Omada Controller Software          | •                                                                                                                                                                                                  |
|                                 | Omada Cloud Controller OC200       | •                                                                                                                                                                                                  |
|                                 | Omada app                          | •                                                                                                                                                                                                  |
| Security                        | Captive Portal Authentication      | •                                                                                                                                                                                                  |
|                                 | Access Control                     | •                                                                                                                                                                                                  |
|                                 | Wireless MAC Address Filtering     | •                                                                                                                                                                                                  |
|                                 | Wireless Isolation between Clients | •                                                                                                                                                                                                  |
|                                 | SSID to VLAN Mapping               | •                                                                                                                                                                                                  |
|                                 | Rogue AP Detection                 | •                                                                                                                                                                                                  |
|                                 | 802.1X Support                     | •                                                                                                                                                                                                  |
|                                 | Encryption                         | WEP, WPA/WPA2-PSK, WPA/WPA2-Enterprise                                                                                                                                                             |
| Wireless Function               | Multiple SSIDs                     | 8                                                                                                                                                                                                  |
|                                 | Automatic Channel Assignment       | •                                                                                                                                                                                                  |
|                                 | Transmit Power Control             | Adjust transmit Power on dBm                                                                                                                                                                       |
|                                 | QoS(WMM)                           | •                                                                                                                                                                                                  |
|                                 | Airtime Fairness                   | -                                                                                                                                                                                                  |
|                                 | Band Steering                      | -                                                                                                                                                                                                  |
|                                 | Beamforming                        | -                                                                                                                                                                                                  |
|                                 | Rate Limit                         | •                                                                                                                                                                                                  |
|                                 | Load Balance                       | •                                                                                                                                                                                                  |
|                                 | RADIUS Accounting                  | •                                                                                                                                                                                                  |
|                                 | MAC Authentication                 | •                                                                                                                                                                                                  |
|                                 | Reboot Schedule                    | •                                                                                                                                                                                                  |
|                                 | Wireless Schedule                  | •                                                                                                                                                                                                  |
| Support Data Rates              | 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                            | -                                                                                                                                                                                                  |
| Management                      | LED ON/OFF Control                 | •                                                                                                                                                                                                  |
|                                 | Management MAC Access Control      | •                                                                                                                                                                                                  |
|                                 | Web-based Management               | •                                                                                                                                                                                                  |
|                                 | Telnet                             | •                                                                                                                                                                                                  |
|                                 | SNMP                               | v1, v2c                                                                                                                                                                                            |
|                                 | System Logging                     | Local/Remote Syslog                                                                                                                                                                                |
|                                 | Email Alerts                       | •                                                                                                                                                                                                  |
| Physical & Environment          | Power Supply                       | 802.3af PoE                                                                                                                                                                                        |
|                                 | Maximum Power Consumption          | 2.8 W                                                                                                                                                                                              |
|                                 | Mounting                           | Wall Plate Mounting                                                                                                                                                                                |
| Others                          | Certifications                     | CE, RoHS                                                                                                                                                                                           |
|                                 | Dimensions (W x D x H)             | 86.8 × 86.8 × 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; |

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