# tp-link | Omãda
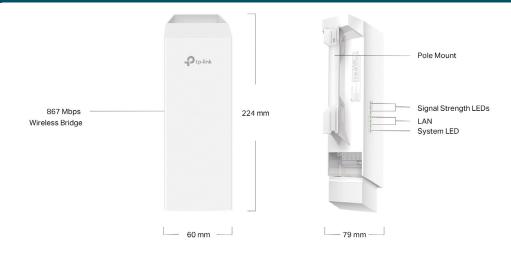
# Omada EAP | Datasheet

## EAP215-Bridge KIT
5GHz 867Mbps Long-range Indoor/Outdoor Access Point

## Highlights

- 802.11ac for up to 867 Mbps on the 5 GHz wireless data rate.
- Ideal for long-range wireless transmission up to 5 km.
- Auto-pairing and agile LEDs for efficient deployment.
- 3 × Gigabit Ethernet ports for more high-speed IP camera connections.
- Supports Omada SDN for remote and centralized management.
- IP65 weatherproof enclosure and 6kV lightning protection ensure all-weather suitability.
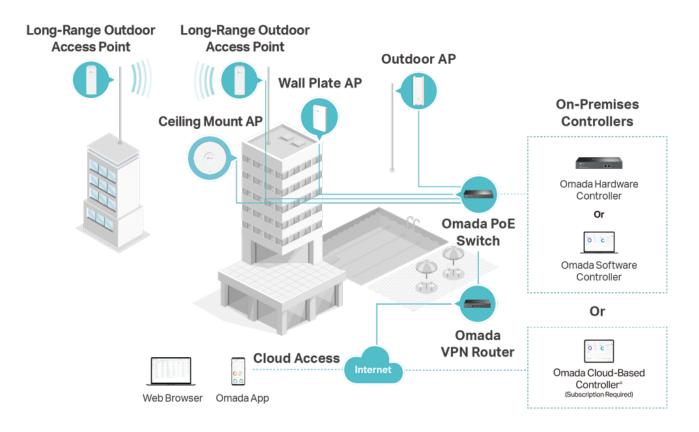- Supports Passive PoE for flexible deployment (adapter included).

# Product Pictures

867 Mbps
Wireless Bridge

224 mm

60 mm

79 mm

Pole Mount

Signal Strength LEDs
LAN
System LED

Reset Button
Grounding Terminal

12V DC

3 × Gigabit Shielded Ethernet LAN Ports
(The Leftmost One Supporting Passive PoE In)

# Omada Solution

Omada's Software Defined Networking (SDN) platform integrates network devices, including access points, switches, and gateways, providing 100% centralized cloud management. Omada creates a highly scalable network—all controlled from a single interface.

Long-Range Outdoor
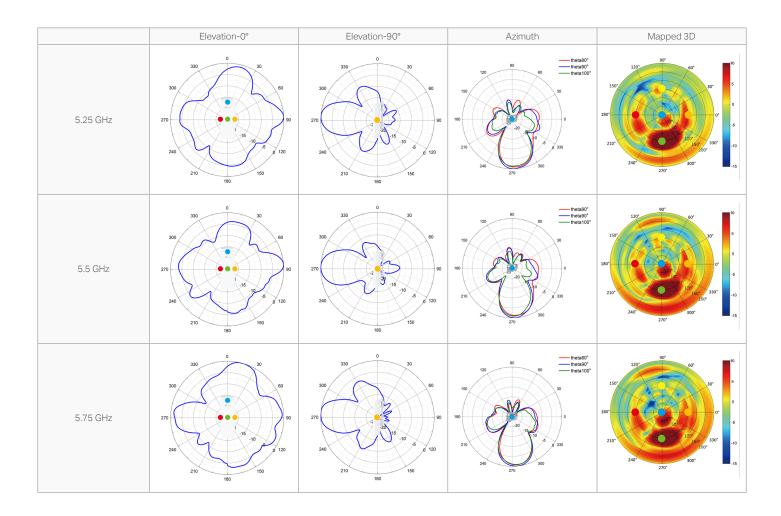Access Point

Long-Range Outdoor
Access Point

Wall Plate AP

Outdoor AP

On-Premises
Controllers

Ceiling Mount AP

Omada PoE
Switch

Omada Hardware
Controller

Or

Omada Software
Controller

Or

Omada
VPN Router

Cloud Access

Internet

Omada Cloud-Based
Controller△
(Subscription Required)

Web Browser    Omada App

# Specifications

| Outdoor AP | | |
|---|---|---|
| Model | | EAP215-Bridge |
| Name | | 5GHz 867Mbps Long-range Indoor/Outdoor Access Point |
| Main Design | LAN Interfaces | 3x Gigabit Ethernet Port |
| | Wi-Fi Standards | IEEE 802.11a/n/ac |
| | Maximum Data Rate | 867 Mbps (5 GHz) |
| | Wireless Client Capacity | 8 |
| | Bluetooth | - |
| | Antennas | Internal 2×2 Dual-polarized directional MIMO antenna<br>5 GHz: 11.0 dBi |
| | Transmit Power | CE:<br>&lt;23dBm (5 GHz, band 1/2, EIRP);<br>&lt;30dBm (5 GHz band3, EIRP);<br>FCC: &lt;22dBm (5 GHz band1/4) |
| | Reception Sensitivity | **5GHz:**<br>11ac VHT20 MCS0:-94dBm;<br>11ac VHT20 MCS8:-71dBm;<br>11ac VHT40 MCS0:-90.5dBm;<br>11ac VHT40 MCS9:-66.5dBm;<br>11ac VHT80 MCS0:-87.5dBm;<br>11ac VHT80 MCS8:-63dBm |
| Centralized Management | Omada Software Controller | √ |
| | Omada Hardware Controller | √ |
| | Omada APP | √ |
| Security | Captive Portal Authentication | √ |
| | Access Control | √ |
| | Maximum number of MAC Filter | 4000 |
| | Wireless Isolation between Clients | - |
| | VLAN | √ |
| | Rogue AP Detection | √ |
| | Wireless Encryption | √ |
| | 802.1X Support | - |

| Outdoor AP | | | |
|---|---|---|---|
| Model | | EAP215-Bridge | |
| Wireless Function | Multiple SSIDs | 8 | |
| | Channel | US:<br><br>5G: 36,40,44,48,149,153,157,161,165<br><br>EU:<br><br>5G: 36,40,44,48,52,56,60,64,100,104,108,112,116,120,124,128,132,136,140 | |
| | Enable/Disable Wireless Radio | √ | |
| | Enable/Disable SSID Broadcast | √ | |
| | Guest Network | √ | |
| | Automatic Channel Assignment | - | |
| | Transmit Power Control | - | |
| | QoS (WMM) | √ | |
| | Seamless Roaming | - | |
| | Mesh | √ | |
| | Beamforming | √ | |
| | MU-MIMO | 5G 2x2 MU-MIMO DL | |
| | OFDMA | - | |
| | Rate Limit | √ | |
| | Load Balance | √ | |
| | Airtime Fairness | √ | |
| | Band Steering | - | |
| | RADIUS Accounting | √ | |
| | MAC Authentication | √ | |
| | Reboot Schedule | √ | |
| | Wireless Schedule | √ | |
| | Wireless Statistics | √ | |
| | Static IP/Dynamic IP | √ | |
| Support Data Rates | 802.11ac | 6.5 Mbps to 867 Mbps (MCS0-MCS9, NSS = 1 to 2 VHT20/40/80) | |
| | 802.11n | 6.5 Mbps to 300 Mbps (MCS0-MCS15, HT20/40) | |
| | 802.11a | 6, 9, 12, 18, 24, 36, 48, 54 Mbps | |
| Management | LED ON/OFF Control | √ | |
| | Management MAC Access Control | √ | |
| | Web-based Management | √ | |
| | SNMP | √ | |
| | SSH | √ | |
| | Restore & Backup | √ | |
| | Firmware update via Web | √ | |
| | NTP | √ | |
| | System Log | √ | |
| | Email Alerts | - | |
| Physical & Environment | Power Supply | 12V DC / 24V Passive PoE | |
| | Maximum Power Consumption | 11.5W | |
| | Reset | √ | |
| | Mounting | Pole mounting (Accessories included) | |

| Outdoor AP | | |
|---|---|---|
| Model | | EAP215-Bridge |
| Others | Certifications | CE, FCC, RoHS |
| | Dimensions (W x D x H) | 224 × 79 × 60 mm |
| | Net Weight | 330.9g |
| | Enclosure Material / Rack Material | Enclosure: ASA-HB |
| | | Pole Mounting Straps: Nylon 66 |
| | Lightning Protection | Air discharge: ±8kV |
| | | Contact discharge: ±4kV |
| | | Common mode 10/700: ±6kV |
| | Environment | Operating Temperature: -40 °C–70 °C (-40 °F–158 °F); |
| | | Storage Temperature: -40 °C–70 °C (-40 °F–158 °F); |
| | | Operating Humidity: 10%–90% non-condensing; |
| | | Storage Humidity: 5%–90% non-condensing |

# Antenna Radiation Patterns

| | Elevation-0° | Elevation-90° | Azimuth | Mapped 3D |
|---|---|---|---|---|
| 5.25 GHz | | | | |
| 5.5 GHz | | | | |
| 5.75 GHz | | | | |

## Disclaimers

### Wireless Speed and Range Disclaimer

Maximum wireless transmission rates are the physical rates derived from IEEE Standard 802.11 specifications. Range and coverage specifications were defined according to test results under normal usage conditions. Actual wireless transmission rate and wireless coverageare not guaranteed, and will vary as a result of 1) environmental factors, including building materials, physical objects and obstacles, 2) network conditions, including local interference, volume and density of traffic, product location, network complexity, and network overhead and 3) client limitations, including rated performance, location, connection quality, and client condition.
All products are tested in real outdoor environments. Actual range and throughput depend on the transmission power and environmental factors such as wireless interference, obstacles, weather, etc.

### Lightning and Electro-Static Discharge Protection Disclaimer

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

### Wireless Client Capacity Disclaimer

Wireless client capacity specifications were defined according to test results under normal usage conditions. Actual wireless client capacity is not guaranteed, and will vary as a result of 1) environmental factors, including building materials, physical objects and obstacles, 2) network conditions, including local interference, volume and density of traffic, product location, network complexity, and network overhead and 3) client limitations, including rated performance, location, connection quality, and client condition.

### Ethernet Port Limitation Disclaimer

Actual network speed may be limited by the rate of the product's Ethernet WAN or LAN port, the rate supported by the network cable, Internet service provider factors and other environmental conditions.

### PoE Disclaimer

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

### MU-MIMO Disclaimer

MU-MIMO capability requires client devices that also support MU-MIMO.

### Seamless Roaming Disclaimer

Seamless roaming requires both the access point and client devices to support 802.11k and 802.11v protocols.