



TP-Link Omada

The Smarter Cloud Solution for Business Networking

Hospitality | Education | Retail | Office | and More

Access Points, Switches, Routers, Controllers



Omada—Smarter Cloud Solution for Business Networking

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



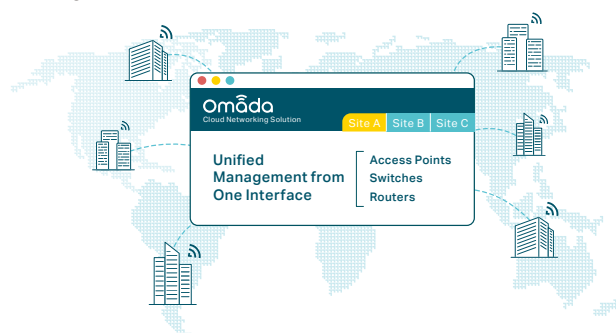
Software Defined Networking (SDN)

Omada is an SDN network with controller as the core to realize automatic deployment of network services and automatic data distribution across routers, switches, and access points.



Hassle-Free Centralized Cloud Management

100% centralized cloud management of access points, switches, gateways, and more from different sites—all controlled from a single interface anywhere, anytime. Batch configuration and remotely firmware updates greatly benefit the maintenance.



Higher Efficiency

No more delegating staff to endlessly configure and manage devices on every site—effectively improving network efficiency and reducing the overall cost of deployment, operation, and maintenance.

Higher Security

TP-Link Omada separates network management data from user data, with no user traffic passing through the cloud, ensuring better protection for users' privacy. Powerful firewall and advanced security functions, like WPA3 encryption, further protect the network and data.

Higher Reliability

Service-Level-Agreement (SLA) of Omada Cloud guarantees 99.99% availability with 24/7 automated fault detection. Geographically isolated back-up servers reduce the possibility of cloud downtime. Your network will function even if management traffic is interrupted.

Omada Wall Plate AP

EAP235-Wall, EAP230-Wall,
EAP225-Wall, EAP115-Wall
< Guest Room >

Omada Ceiling Mount AP

Wi-Fi 6: EAP660 HD, EAP620 HD
Wi-Fi 5: EAP265 HD, EAP245, EAP225
Wi-Fi 4: EAP115, EAP110
< Restaurant, Lobby, Parking >

Omada Outdoor AP

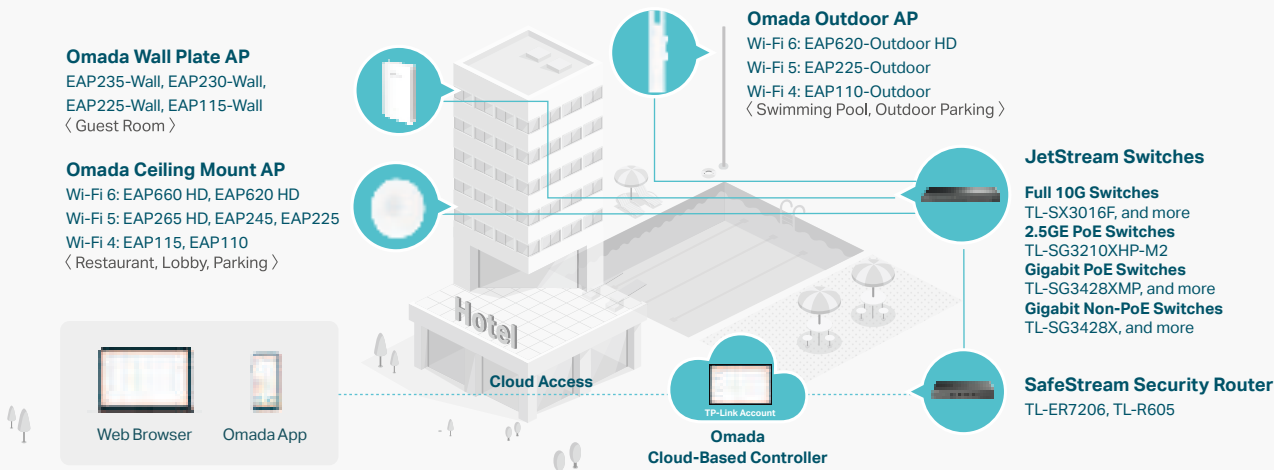
Wi-Fi 6: EAP620-Outdoor HD
Wi-Fi 5: EAP225-Outdoor
Wi-Fi 4: EAP110-Outdoor
< Swimming Pool, Outdoor Parking >

JetStream Switches

Full 10G Switches
TL-SX3016F, and more
2.5GE PoE Switches
TL-SG3210XHP-M2
Gigabit PoE Switches
TL-SG3428XMP, and more
Gigabit Non-PoE Switches
TL-SG3428X, and more

SafeStream Security Router

TL-ER7206, TL-R605



Omada Mesh

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

Seamless Roaming

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

Guest Network for Boosting Business

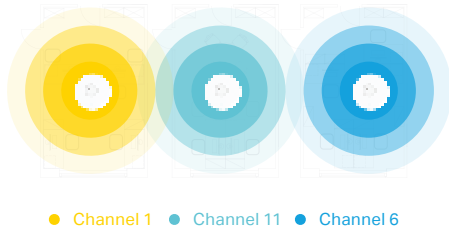
Boost your online business through guest Wi-Fi with Facebook Login, Voucher, and other flexible authentication options.



AI-Driven Technology for Stronger Performance and Easy Network Maintenance

Auto Channel Selection and Power Adjustment

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



Intelligent Network Analysis, Warning, and Optimization*

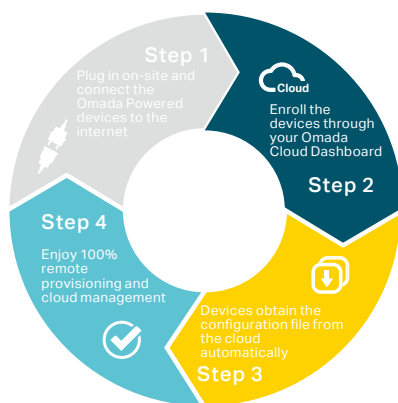
- Analyze potential network problems and receive optimization suggestions for higher network efficiency.
- Locate network faults, warn and notify users, and generate solutions for lower network risk.



Zero-Touch Provisioning**

There's no need to send out an engineer for configuration with Omada Cloud, ensuring a more efficient deployment at a lower cost.

Omada zero-touch deployment allows you to remotely deploy and configure multi-site networks.



High-Density Wi-Fi Deployment

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



Wi-Fi 6 Access Points Improve Experiences in High-Density Environments

Omada Wi-Fi 6 access points optimize every detail of your network connection to significantly improve network efficiency and deliver blistering speeds. Buffering will no longer be a problem.

Wi-Fi 6

Unprecedented User Experience in High-Density Scenarios

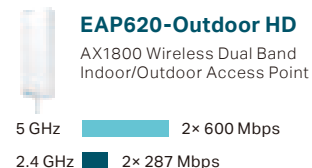
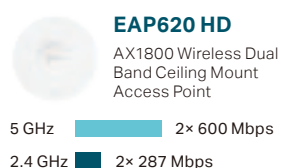
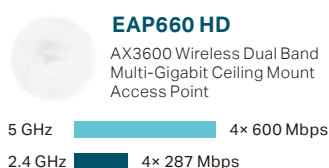
Wi-Fi 6 is designed to improve overall spectral efficiency, especially in the dense usage scenarios.

Blistering Speeds

- Higher Level Modulation: 1024-QAM
- 4× Longer OFDM Symbol

Improved Efficiency

- BSS Coloring***
- OFDMA
- MU-MIMO



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

**Zero-Touch Provisioning requires the use of Omada Cloud-Based Controller.

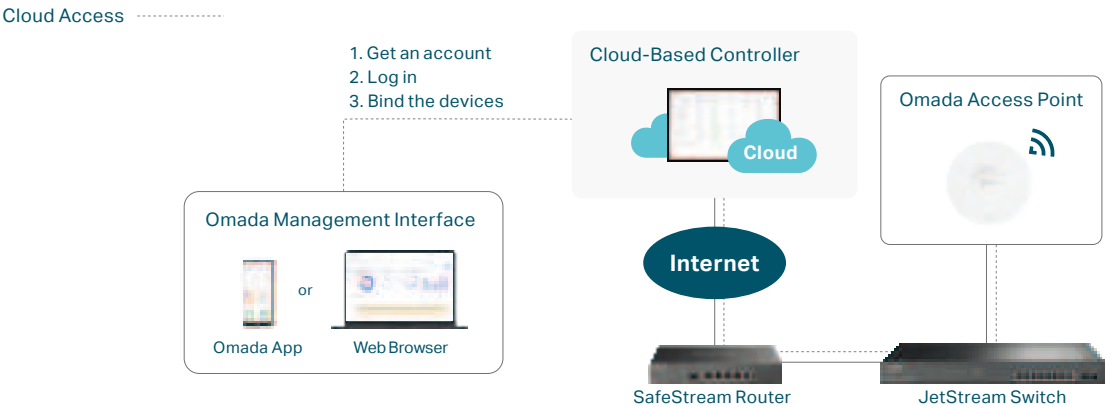
***BSS Coloring can be supported by software updates.

Flexible Options for Cloud Control

Omada SDN provides two kinds of SDN controllers—Cloud-Based Controller (completely in the cloud) and Hybrid-Cloud Controller (on-premises) with full cloud access, giving you maximum choices and full control of the whole network from the cloud to fit your business needs.

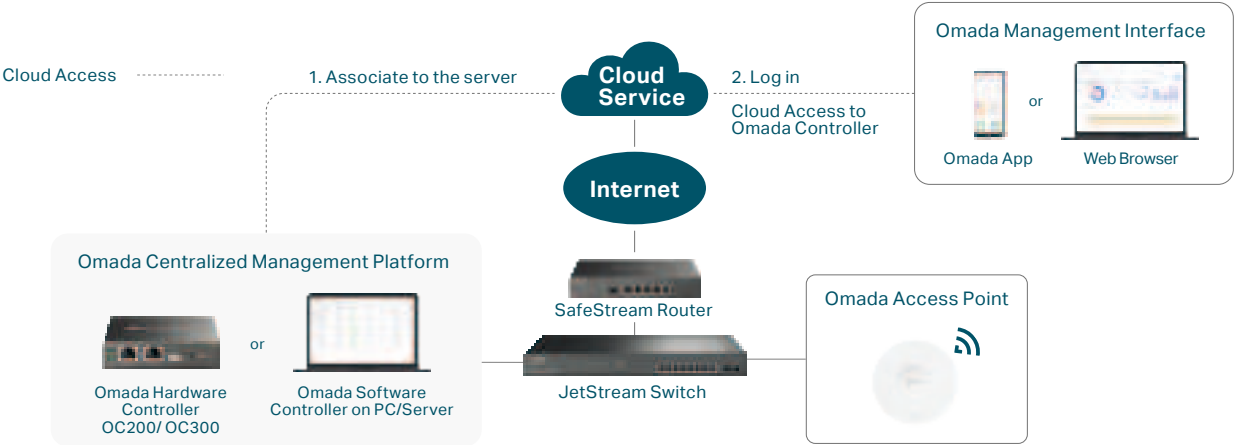
Cloud-Based Controller for Easier Deployment

With the cloud-based controller existing entirely in the cloud, Omada SDN offers zero-touch provisioning for efficient and affordable deployment and provides centralized management of the network wherever you are. Cloud services are guaranteed with 99.99% SLA availability and 24/7 automated fault detection. There is no additional hardware controller investment and installation on customer premises.



On-Premises Controller with Cloud Access

Omada offers cloud access to its on-premises centralized management platforms—Omada Software Controller or Omada Hardware Controller—to give you control of the whole network wherever you are through the Omada app or Web UI, without any additional service subscription fees.



Cloud Management with the Omada App

Follow the configuration instructions on the free Omada app to set up in minutes. Omada app lets you configure settings, monitor network status, and manage clients—all from your phone or tablet.



Scenario-Based Solution Design

Omada is specially designed for hospitality, education, retail, office, and more. In addition to the centralized cloud management, zero-touch deployment and AI-driven network analysis brought by Omada Controller, Omada provides scenario-based products and rich benefits that can satisfy different needs in various environments.



Hospitality

- ✓ Full Wi-Fi coverage and wired connections
- ✓ Flexible guest control
- ✓ Seamless roaming

| Recommendation | Deployment | Benefits |
|---|--|---|
| Wall Plate AP: EAP235-Wall, EAP230-Wall | Guest room | Full in-room Wi-Fi coverage; thin design; Guest Portal with flexible authentication options; four gigabit ports (EAP235-Wall) |
| Ceiling Mount AP: EAP245 | Lobby, parking | Long-range indoor coverage; Seamless Roaming; Guest Portal with flexible authentication options |
| Wi-Fi 6 AP: EAP660 HD | High-density environments (restaurant, meeting room) | AX3600 Wi-Fi improves efficiency in high-density environments |
| Outdoor AP: EAP225-Outdoor | Swimming pool, outdoor parking | Long-range outdoor coverage; Mesh; Seamless Roaming; Guest Portal with flexible authentication options |
| Switch: TL-SG3210XHP-M2, TL-SG2428P | Machine room | High-speed wired connection with 2.5G or 1G Ethernet ports (802.3af/at PoE) |



Education

- ✓ Easy management
- ✓ High-density Wi-Fi
- ✓ Full Wi-Fi coverage and wired connections
- ✓ VPN and security

| Recommendation | Deployment | Benefits |
|---|--|--|
| Wi-Fi 6 AP: EAP660 HD | High-density environments (classroom, canteen, stadium, library) | AX3600 Wi-Fi improves efficiency in high-density environments |
| Wall Plate AP: EAP235-Wall, EAP230-Wall | Dormitory | Full in-room Wi-Fi coverage; thin design; four gigabit ports (EAP235-Wall) |
| Ceiling Mount AP: EAP245 | Corridor, digital classroom, other indoor areas | Full indoor Wi-Fi coverage; Seamless Roaming; MU-MIMO, Band Steering and Load Balancing ensure high-concurrent access of users |
| Outdoor AP: EAP225-Outdoor | Playground, swimming pool | Long-range outdoor coverage; Mesh; Seamless Roaming |
| Switch: TL-SG3210XHP-M2, TL-SG2428P | Machine room, computer classroom, office | High-speed wired connection with 2.5G or 1G Ethernet ports (802.3af/at PoE) |
| Gateway: TL-ER7206 | Machine room | • Supports high-security VPN (IPsec, PPTP, L2TP over IPsec, OpenVPN) • Abundant security functions |



Retail

- ✓ Boost online business
- ✓ Flexible guest control
- ✓ Seamless roaming
- ✓ High-concurrent clients

| Recommendation | Deployment | Benefits |
|----------------------------|------------------------------------|---|
| Ceiling Mount AP: EAP245 | Restaurant, shopping mall, parking | Guest network for boosting business; Seamless Roaming; full indoor Wi-Fi coverage; MU-MIMO, Band Steering and Load Balancing ensure high-concurrent access of users |
| Outdoor AP: EAP225-Outdoor | Squares, outdoor parking | Guest network for boosting business; long-range outdoor coverage; Mesh; Seamless Roaming |
| Switch: TL-SG2428P | Machine room, office | 802.3af/at PoE for the easy deployment of access points |
| Gateway: TL-ER7206 | Machine room | Supports high-security VPN (IPsec, PPTP, L2TP over IPsec, OpenVPN) |



Office

- ✓ Easy management
- ✓ Wi-Fi coverage and wired connections
- ✓ VPN and security

| Recommendation | Deployment | Benefits |
|--------------------------|---------------------------|--|
| Ceiling Mount AP: EAP245 | Meeting room | Full indoor Wi-Fi coverage in the meeting room; MU-MIMO, Band Steering and Load Balancing ensure high-concurrent access of users |
| Switch: TL-SG2428P | Office area, meeting room | PoE for IP phones and APs; gigabit wired connections |
| Gateway: TL-ER7206 | Machine room | • Supports high-security VPN (IPsec, PPTP, L2TP over IPsec, OpenVPN) • Abundant security functions |

Powerful Support

In addition to the Omada solution and high-quality products, TP-Link also provides whole service for complete client satisfaction.

► Certification and Training

The TP-Link Certification and Training system is a free online, on-demand training program that provides professional coursework and exams focused on specific technologies. Access professional training to develop your skills and gain certification to enhance your business.



Designed for sales professionals, the TPNA SMB (TP-Link Network Associate for SMB) Certification attests to your acquired advanced network and wireless knowledge. It also certifies that you can explain and differentiate TP-Link SMB products based on criteria such as usage scenarios, configuration methods, software functions, and involved technologies.



Designed for technical professionals, the TPNP (TP-Link Network Professional) SMB Routing & Switching and Business Wi-Fi Certifications attest to your knowledge of Routing & Switching related to TP-Link Switches. Both also certify your ability to deploy indoor and outdoor business Wi-Fi, including assessment, installation, and maintenance.

► TP-Link Partner Program

<https://partner.tp-link.com/>

TP-Link’s success as a provider of network solutions has been built on its relationship and unrivaled commitment to its partners. For Value-added Resellers (VARs) and System Integrators (SIs) looking for access to even better deals and tailored support, TP-Link has designed the TP-Link Partner Program to reward loyalty and help grow business.



- Deal Registration
- Sales Tools
- Training & Certification
- Promotions
- Marketing Materials
- Knowledge Base
- Support

Join TP-Link Partner Program, Earn More Margin

The Partner Program and benefits vary according to your region. Please contact your local TP-Link representative for more information.

► SMB Community

<https://community.tp-link.com/en/business/>



Technical support and case sharing.
Your direct dialogue with TP-Link.
When it comes to SMB, we know you want to learn more...



Forums



Stories



Knowledge Base

► Excellent Pre- and After-Sales Services

After-Sales Services

- Global Call Center Providing Hotline Support
- 24/7 Post-Sales Email Service
- Online SMB Community

Quality of Service

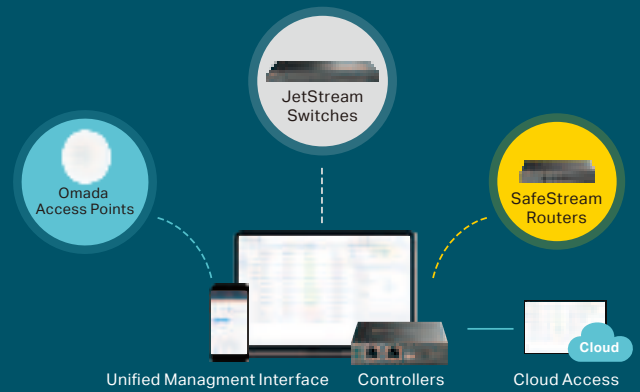
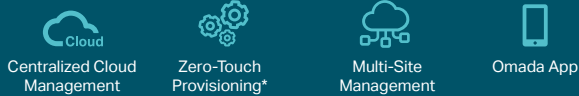
- Replacement and Warranty
- Constant Firmware Updates from Cloud Service

Tech Solutions

- Online Training and Certifications—TPNA & TPNP
- Specialized Support Team Locally and Abroad

Seamless Omada SDN Platform Integration

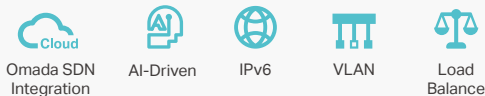
Omada's Software Defined Networking (SDN) platform integrates network devices including access points, switches, and gateways, providing 100% centralized cloud management—all controlled from a single interface.



SafeStream Gigabit Multi-WAN VPN Router

A Professional, Secure, and Reliable Gateway with Centralized Management Capability

TL-ER7206



- **Powerful Firewall Performance**

Offers advanced firewall policies to protect your network and its data.

- **Up to 4 Gigabit WAN Ports**

1× gigabit SFP WAN port + 5× gigabit RJ45 (1× WAN + 2× WAN/LAN + 2× LAN) ports optimize bandwidth usage.

- **High-Security VPN**

Enterprise-standard IPSec/ PPTP/ L2TP VPN & OpenVPN secure and encrypt private data communication traveling over the internet.

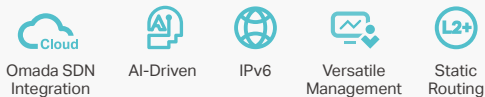
JetStream 16-Port 10GE SFP+ L2+ Managed Switch

Lightning-Fast 10G Aggregation Switch for Enterprise Networks with Non-Blocking Throughput Switching

TL-SX3016F



10G



- **16× Full 10 Gbps SFP+ Slots**

Lightning-fast full 10 Gbps SFP+ slots provide high-bandwidth aggregation connectivity and up to 320 Gbps of switching capacity.

- **Advanced L2 and L2+ Features**

Supports a complete lineup of L2 and L2+ features, including IPv6, static routing, advanced VLAN, enterprise-level QoS, IGMP and MLD snooping, and more.

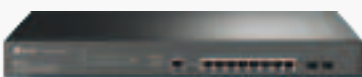
- **Abundant Security Strategies**

Help protect LAN area investment with integrated IP-MAC-Port Binding, ACL, Port Security, 802.1X authentication, and more.

JetStream 8-Port 2.5GBASE-T and 2-Port 10GE SFP+ L2+ Managed Switch with 8-Port PoE+

Super Fast 2.5GE Switches with 10G Uplink and PoE for a Complete Omada Network

TL-SG3210XHP-M2



2.5G



- **2.5 Gbps PoE+ Ports for Wi-Fi 6**

Eight 2.5G ports are the best option to meet the full bandwidth potential of Wi-Fi 6 access points.

- **10 Gbps Lightning-Fast Uplink Connection**

Two 10 Gbps SFP+ uplink slots provide support for high-bandwidth applications.

- **PoE+ Output with 240 W Budget**

Equipped with eight 802.3af/at PoE+ 2.5GE ports and a 240 W power budget—ideal for the deployment of Omada Wi-Fi 6 access points.

JetStream 24-Port Gigabit and 4-Port 10GE SFP+ L2+ Managed Switch with 24-Port PoE+

Convenient Gigabit Switches with 10G Uplink and PoE for a Complete Omada Network

TL-SG3428XMP



- **10 Gbps Lightning-Fast Uplink Connection**

Two 10 Gbps SFP+ uplink slots provide support for high-bandwidth applications.

- **PoE+ Output with 384 W Budget**

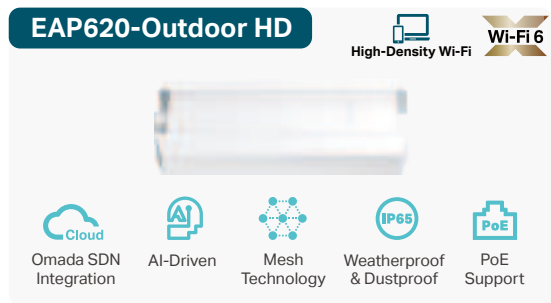
Equipped with 24× 802.3af/at PoE+ gigabit ports and a 384 W power budget for ideal deployment of Omada APs.

- **Abundant Security Strategies**

Help protect LAN area investment with integrated IP-MAC-Port Binding, ACL, Port Security, 802.1X authentication, and more.

➤ Omada AX1800 Wireless Dual-Band Gigabit Indoor/Outdoor Access Point

Wi-Fi 6 APs for Improved Experiences in Outdoor High-Density Environments



- **Next-Gen Wi-Fi Speeds of up to 1.8 Gbps**

Dual-Band Wi-Fi speed powered by Wi-Fi 6 technology delivers fast wireless speeds of up to 1,774 Mbps.**

- **Improved Efficiency in High-Density Environments**

OFDMA and MU-MIMO technology ensure top-tier performance for high-density environments.

- **Uninterrupted Streaming with Seamless Roaming**

802.11k/v seamless roaming ensures clients to enjoy uninterrupted streaming when moving between APs.

➤ Omada AX3600 Wireless Dual-Band Multi-Gigabit Ceiling Mount Access Point

Wi-Fi 6 APs for Improved Experiences in High-Density Environments



- **Next-Gen Wi-Fi Speeds of up to 3.6 Gbps**

Dual-Band Wi-Fi speed powered by Wi-Fi 6 technology delivers astonishing wireless speeds of up to 3,548 Mbps.**

- **Improved Efficiency in High-Density Environments**

OFDMA and MU-MIMO technology ensure top-tier performance for high-density environments.

- **2.5 Gbps Ethernet Port**

A 2.5 Gbps Ethernet port gives you full access of your network, boosting total internet throughput.

➤ Omada AC1750 Wireless MU-MIMO Gigabit Ceiling Mount Access Point

Advanced Business Wi-Fi for Hundreds of Clients in High-Density Environments



- **Fast Dual-Band Wi-Fi of up to 1.75 Gbps**

Simultaneous 450 Mbps on 2.4 GHz and 1,300 Mbps on 5 GHz totals 1,750 Mbps Wi-Fi speeds.**

- **Improved Efficiency in High-Density Environments**

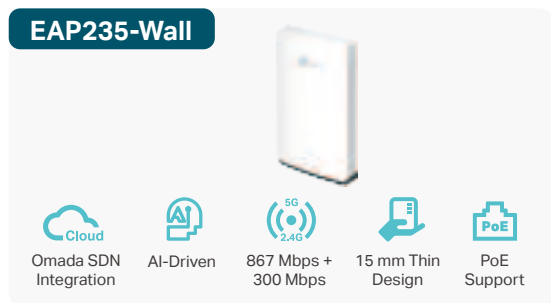
MU-MIMO, Load Balance, and professional antennas improve capacity in high-density environments to connect more devices simultaneously.

- **Uninterrupted Streaming with Seamless Roaming**

802.11k/v seamless roaming ensures clients to enjoy uninterrupted streaming when moving between APs.

➤ Omada AC1200 Wireless MU-MIMO Gigabit Wall Plate Access Point

11ac Business Wi-Fi for the Best Room-by-Room Connection



- **Complete in-Room Wi-Fi Coverage**

An EAP in each room guarantees a strong wireless signal in every corner.

- **Effortless Installation and Deployment**

Installation and deployment are made easy with an easy-mount construction and 802.3af/at PoE support.

- **Four Gigabit Ports**

Enable instant transferring of large, bandwidth-intensive files without interference.



*Zero-Touch Provisioning requires the use of Omada Cloud-Based Controller.

**Maximum wireless signal rates are the physical rates derived from IEEE Standard 802.11 specifications. Actual wireless data throughput and wireless coverage are not guaranteed and will vary as a result of network conditions, client limitations, and environmental factors, including building materials, obstacles, volume and density of traffic, and client location.