

Networks Empower Business

Omada
by tp-link



Hotels | Offices | MDUs | Restaurants | Stores | Schools | and More

2026
NEW

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01

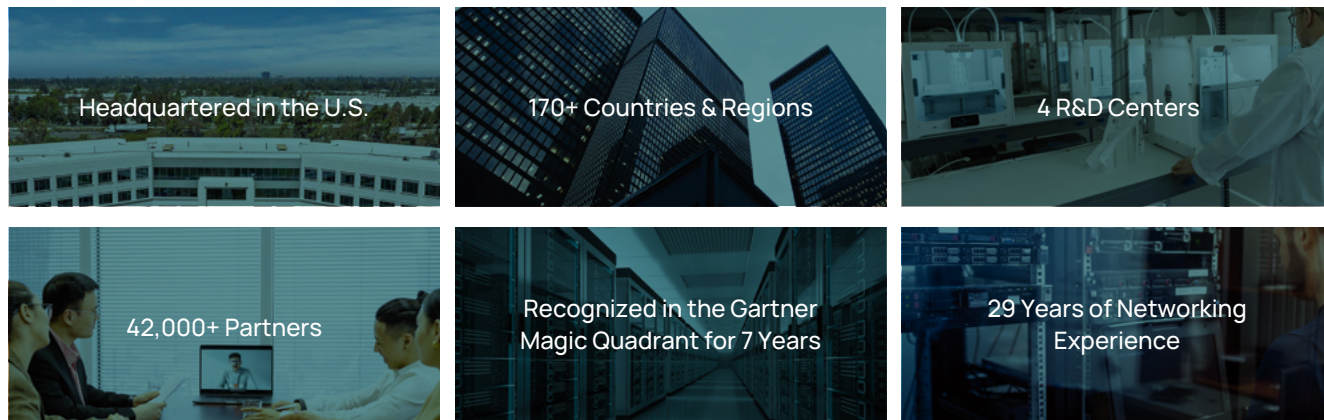
Omada – Networks Empower Business

Professional. Reliable. Secure.

Omada, a B2B-focused brand, backed by over 29 years of networking expertise, combines reliable and secure products, cutting-edge technologies, centralized cloud management, and a trusted supply chain to ensure exceptional performance. Recognized globally for its excellence, Omada continues to drive business success with solutions that adapt to the ever-evolving digital landscape.



Who We Are



Omada Business Networking



Source: Magic Quadrant for Enterprise Wired and Wireless LAN Infrastructure (known as Magic Quadrant for Enterprise Wired and Wireless LAN Infrastructure during 2019-2025), Mike Leibovitz, Christian Canales, Nauman Raja, Tim Zimmerman, 25 June 2025.
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Trusted by Customers Worldwide



Omada's Core Strengths

01 Industry-Leading Technology, High-Performance Products



02 Proven Quality

Innovative R&D

Backed by world-class engineers, delivering stable, durable, and high-performance products.

Complete Quality Control

Vertically integrated facilities ensure superior manufacturing and quality assurance.

Stable Cloud Platform

AWS-based reliability, 24/7 automated fault detection, and secure backup servers.

Secured Data Protection

Omada provides enterprise-grade security with NDAA compliance and ISO 27001/27701 certifications.

29 Years of Expertise

Backed by 29 years of expertise in networking design, testing, and manufacturing, Omada ensures exceptional quality.

Relentless Testing for Superior Quality

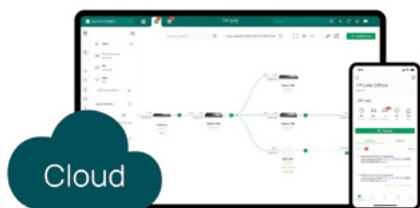
200,000+
Test Cases

5,000-30,000
Tests for a Typical Router

24/7
Rigorous Testing

100+
Labs

03 Simplified Deployment & Management



Simplified Deployment & Management

Simplified Setup & Deployment

- Quick and easy setup with free cloud access
- Zero-Touch Provisioning (ZTP)
- Remotely set up networks without unboxing
- Replicate configurations effortlessly to new sites

Simplified Management & Maintenance

- Centralized cloud management
- Remote troubleshooting with integrated tools
- Automatic WLAN optimization
- MSP mode for multi-customer & multi-site management

04 One-Stop Solution with a Comprehensive Product Portfolio



Omada Controllers for Centralized Cloud Management

Cloud-Based

- Essentials version for Free and Easy Cloud
- Standard version with Device License Fees for Advanced Features

On-Premises Software

- Unlimited Scale

On-Premises Hardware

- From 130 to 1300 Devices



Omada Access Points

- Ceiling Mount / Wall Plate / Outdoor / Wireless Bridge / Desktop / GPON APs
- 10G / 2.5G / GE / FE Ports
- Wi-Fi 7 / 6 / 5 / 4



Omada Campus / Aggregation / Access / Agile / Industrial Managed Switches

- L3 / L2+ Managed Switches
- Easy Managed and Industrial Switches
- 25G / 10G / 2.5G / GE Ports
- PoE++ / PoE+ / PoE



Omada Gateways

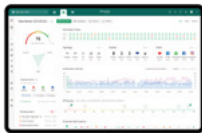
- 10G / 2.5G / GE
- Wired / Wireless / 5G/4G+ / DSL / Integrated 3-in-1 Gateways
- SD-WAN / SSL / GRE / WireGuard / IPSec / PPTP / L2TP VPN & OpenVPN



Accessories

- 100G / 25G / 10G / 1G Modules and DACs
- Media Converters
- PoE Adapters
- Power Supply Modules

Cloud Management Platform



Web Browser



Omada App



Omada Wi-Fi Navi App

Network testing, verification, and troubleshooting



Omada Design Hub

Free and Intelligent Network Planning Tool

Dedicated Partner Platforms



SolutionX Partner Program

Join the SolutionX Partner Program to elevate your business and become part of a thriving community that empowers businesses through cutting-edge networking solutions.



TP-Partner App

A simple and convenient way to access information of products and solutions. Gain rewards for device activation and installation.



- Exclusive Benefits
- Lucrative Margins
- Extensive Resources & Support
- Training & Certification

Join SolutionX Partner Program
partner.tp-link.com

05 Superior Value: Cut Costs & Drive Growth with Genuine Manufacturing

Vertically Integrated Manufacturing

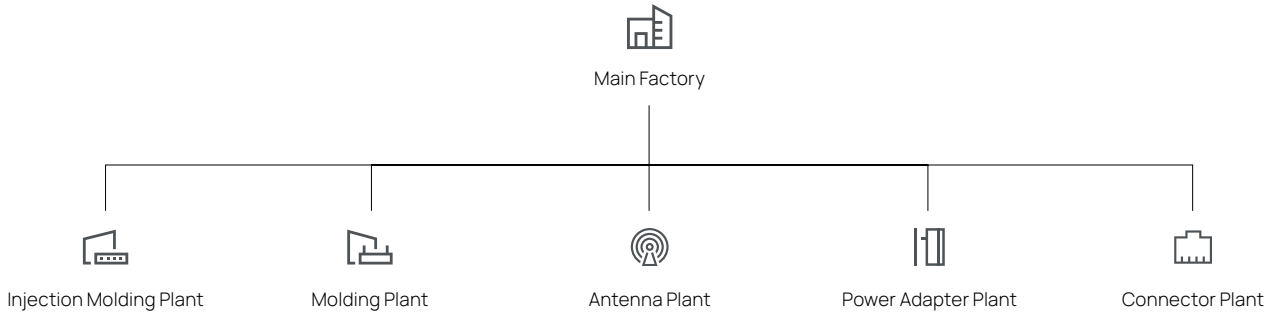
Vertically integrated facilities ensure exceptional cost efficiency, complete quality control, and advanced manufacturing to deliver superior quality and value.

Scaled Production to Save Cost

As the leading Wi-Fi product provider, we leverage large-scale production to lower costs, passing savings directly to our customers and partners.

Exclusive Partner Benefits

Unlock exclusive benefits with our Partner Program, featuring competitive pricing, high profit margins, and value-added tools to drive business growth.



06 Steady Supply and Solid Inventory Guarantee

- Comprehensive, steady supply chain
- Controls the cycle time and improves production efficiency
- Optimal logistics solution with 90% direct routes
- Local warehouse for sufficient local stocks and fast delivery*

*Applicable to the US region and may vary between regions/countries.



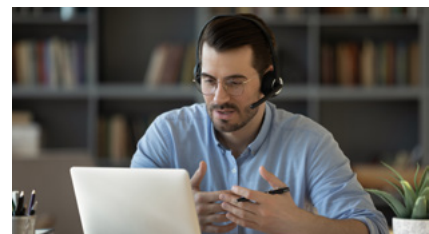
07 Reliable Tech Support, Training, & Extended Warranty



Comprehensive training and certifications are available at entry-level, associate-level, and professional-level tiers.



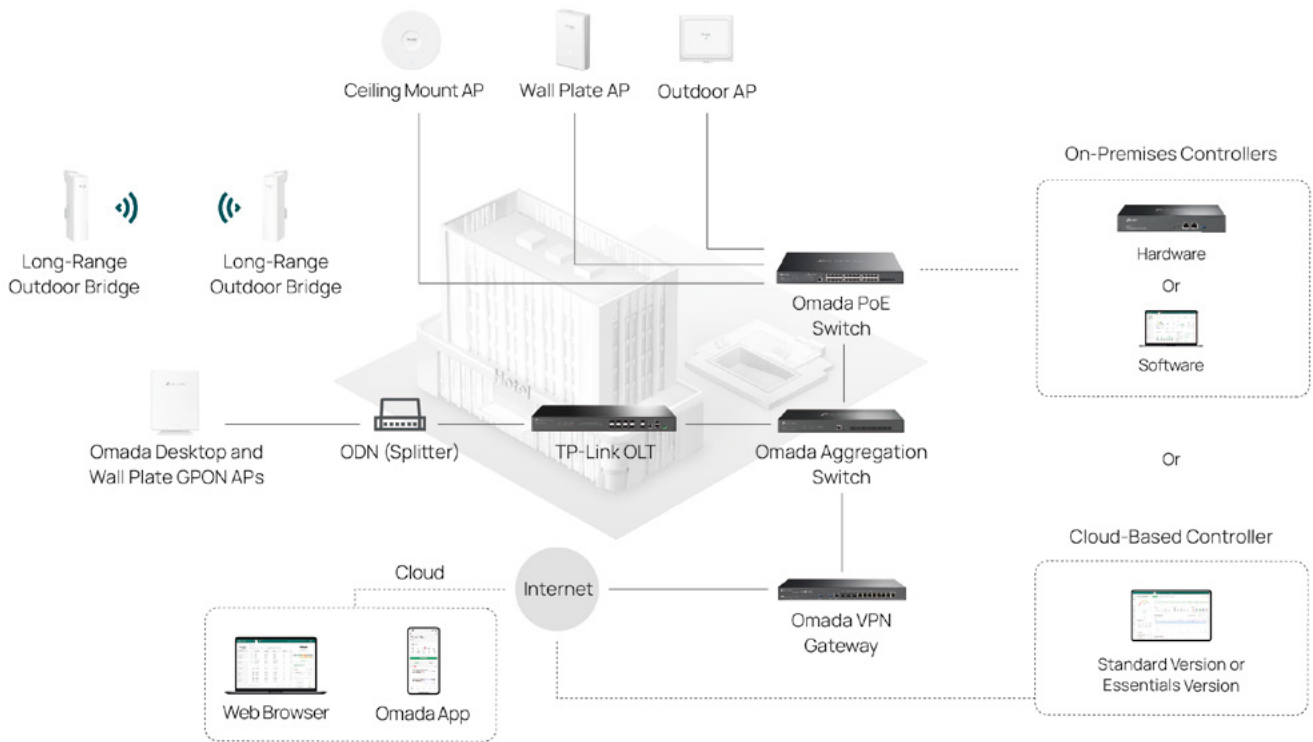
Extended product warranties offer greater peace of mind for both you and your customers.



- Localization Sales and Support Team
- Dedicated Omada Support Portal
- Official Omada Community
- Contact us via Call, Email, or Chat

A Reliable and Easy Cloud SDN Solution for Your Business

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.



Flexible Management with Optional Free Cloud

Choose from versatile on-premises controllers (hardware and software) or fully cloud-based controllers (Standard and Essentials versions) to meet diverse business needs. Enjoy free cloud management with Cloud Essentials, hardware, or software controllers.

Comprehensive Solution with Advanced Features

Seamlessly manage Omada APs, switches, and gateways across multiple sites and organizations through a unified platform with flexible role-based administration. Leverage intelligent Wi-Fi optimization, advanced security, flexible traffic control, and robust access management to accelerate your business.

Effortless Deployment with Zero-Touch Provisioning (ZTP)

No need to send out IT experts for on-site configuration. Simplify network deployment and cut costs, especially for multi-site networks.

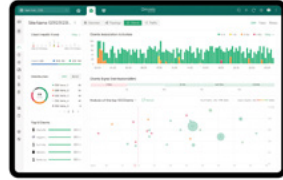
Intelligent Monitoring

Powerful network performance is guaranteed by intelligent monitoring, including network traffic statistics, channel occupancy analysis, network condition logs, and abnormal event warnings and notifications.

Omada Offers a Flexible Cloud Management Architecture

Increases Business Agility and Scalability

Cloud-Based Controller



On-Premises Controller (Hybrid Cloud)



Essentials

- Free Cloud
- Easy Setup, Use, and Maintenance
- Essential Features Without the Complexity Required by Larger-Scale Operations
- Exists Entirely in the Cloud

Standard

- Device License Required
- Advanced Functions for Professional and Comprehensive Network Settings
- Exists Entirely in the Cloud

Hardware

- No Need to Keep Your PC Running
- Flexible On-Premises and Free Cloud Management

Software

- Free to Use
- No Hardware Investment
- Flexible On-Premises and Free Cloud Management

		Cloud-Based Controller		On-Premises Controller (Hybrid Cloud)	
		Essentials	Standard	Hardware (OC400 / OC300 / OC220)	Software
Pricing		Free	Device License Fee	Hardware Cost for Every Site; Free Cloud Access	Requires Constant PC/Server Operation; Free Cloud Access
Characteristics		<ul style="list-style-type: none"> • Easy Setup, Use, and Maintenance • Essential Features Without the Complexity Required by Larger-Scale Operations 	<ul style="list-style-type: none"> • Advanced Functions for Professional and Comprehensive Network Settings 	<ul style="list-style-type: none"> • No Need to Keep Your PC Running • Flexible On-premises and Cloud Management 	<ul style="list-style-type: none"> • No Hardware Investment • Flexible On-premises and Cloud Management
Designed for		<ul style="list-style-type: none"> • Surveillance Networking <ul style="list-style-type: none"> • Hostels • Villas / Big Houses • Small Offices 	<ul style="list-style-type: none"> • Medium/Large Multi-site Networks • Hotels, Schools, Retail, MDUs, Medium to Large Offices 	<ul style="list-style-type: none"> • Small/Medium Local Networks • Hotels, Retail, MDUs, Small to Medium Offices and Schools 	<ul style="list-style-type: none"> • Medium/Large Local Networks • Hotels, Schools, Retail, MDUs, Medium to Large Offices
Management Scale		Unlimited	Unlimited	<ul style="list-style-type: none"> • OC220: 130 devices • OC300: 700 devices • OC400: 1,300 devices 	Unlimited* (Recommended: ≤ 10,000 devices)
Zero-Touch Provisioning		✓	✓	✓	✓
MSP Mode for Multi-Customer Management		-	✓	-	✓
Multi-User Privilege Assignment		✓**	✓	✓	✓
Configuration	SD-WAN	✓	✓	✓	✓
	VLAN	✓	✓	✓	✓
	Port Management	✓	✓	✓	✓
	PPSK	-	✓	✓	✓
	VPN	WireGuard VPN	L2TP / PPTP / SSL / OpenVPN / IPSec / WireGuard VPN		
Fast Roaming & Mesh		✓	✓	✓	✓
Security	Port Isolation	✓	✓	✓	✓
	Portal Authentication	Simple Password / Voucher / Form Auth / External Portal Server	Simple Password / Voucher / Form Auth / Local User / SMS / Radius Server / External LDAP Server / External Portal Server		
	ACL	✓ (Gateway)	✓	✓	✓
	IPS/IDS	-	✓	✓	✓
	DPI	-	✓	✓	✓
Maintenance	Topology	✓	✓	✓	✓
	Troubleshooting	SSH / Network Check / Terminal	SSH / Network Check / Terminal / Packet Capture		
	Logs / Alerts	Basic	Advanced	Advanced	Advanced
	Open API	-	✓	✓	✓
	WLAN Optimization	-	✓	✓	✓

*Actual management scale of the Omada Software Controller depends on the PC/server's hardware specifications.

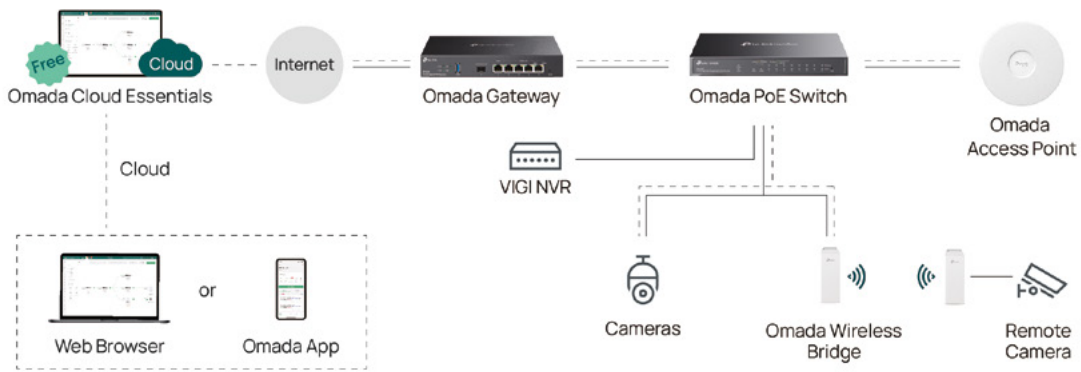
**All users are assigned with default network permissions. Customized permissions are not supported during configuration.

Omada Cloud Essentials



Omada Cloud Essentials is a free and easy version of the Omada Cloud-Based Controller. It offers cloud-based, free, and easy centralized management and monitoring for the Omada networking system, covering access points, switches, and gateways, ideal for surveillance networks with minimal installers/MSPs involvement.

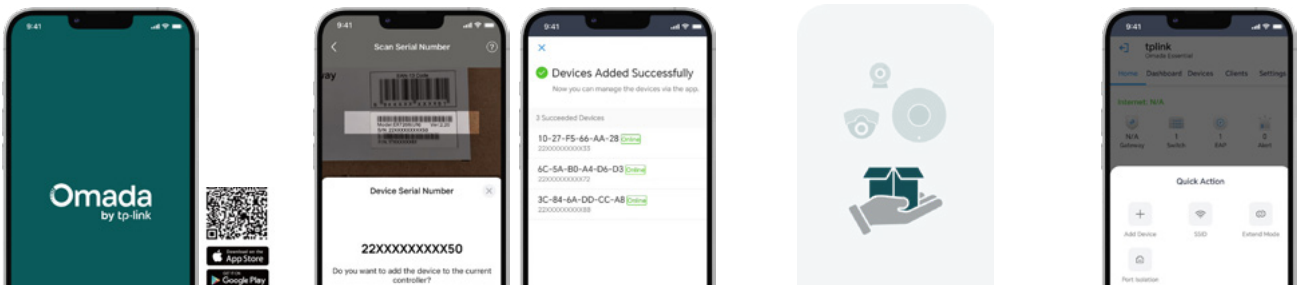
- Lifetime Free Cloud Management Without Additional Fees or On-Premises Controllers
- Super-Easy Setup via Your Phone Without Unboxing – Save Time & Costs
- Zero-Touch Provisioning (ZTP)
- Manage and Monitor Anytime via the Omada App or Web Browser
- Control Abundant Features Designed for Cameras
- Unlimited Management Scale for Multiple Sites



Super-Easy Setup with ZTP – Unboxing Not Required MSPs in the Office

No need to unbox or send out an IT engineer for on-site configuration

- Step 1** Launch the Omada app
- Step 2** Scan the S/N code on the package to add devices without unboxing
- Step 3** Deliver the devices to the customer
- Done** Remotely configure essential features as needed once powered on at the site



On-Site Customers or Installers

Plug and Play*

- Step 1** Receive the products and unbox
- Step 2** Install and Plug in on the site*
- Done** Enjoy without additional configuring

*The gateway requires a setting to connect to the internet

Centralized Cloud Management for a Comprehensive Product Portfolio

Explore the complete list of managed products at www.omadanetworks.com/omada-cloud-essentials/product-list/



Omada Gateways

- Wired / Wi-Fi / 5G/4G Gateways
- WireGuard VPN



Omada Access Points

- Ceiling Mount / Wall Plate / Desktop / Outdoor / Wireless Bridge / Desktop
- Wi-Fi 7 / 6 / 5

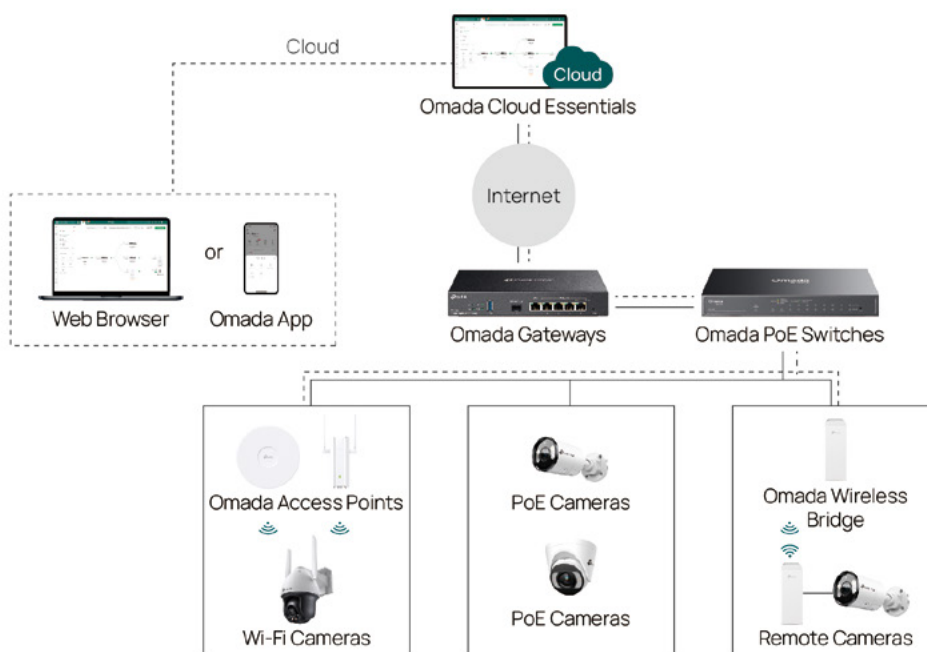


Omada Campus / Aggregation / Access / Agile / Industrial Managed Switches

- 25G / 10G / 2.5G / GE Ports
- PoE++ / PoE+

Works with Omada Switches for Easy **Surveillance Networking** – Simplified Monitoring and Troubleshooting

Seamlessly Upgrade from Unmanaged to Managed PoE Switches with Free Cloud and Ease of Use



Remotely Access Logs and Receive Real-time Alerts of Networks

Multi-Site Management with Multi-Role Assignment

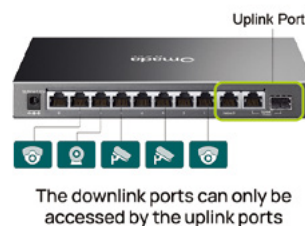
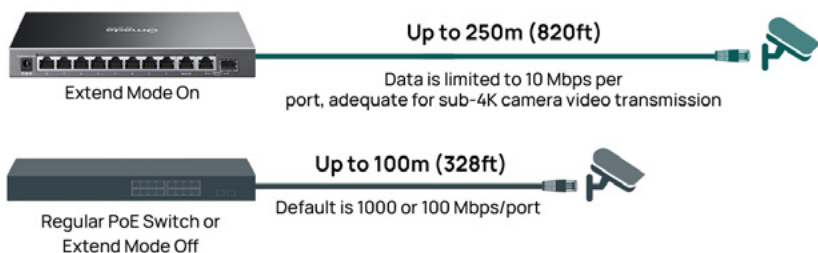
5 GHz Wireless Bridges Reduce Interference and Guarantee Video Quality

PING, Wi-Fi Scan, and Wireless Speed Test for Troubleshooting

Easy Configuration of Surveillance-Related Features for Convenient Maintenance – Saving Time and Cost

PoE Extend Mode for up to 820ft (250m) PoE Transmission

Port Isolation for Safer Camera Networking



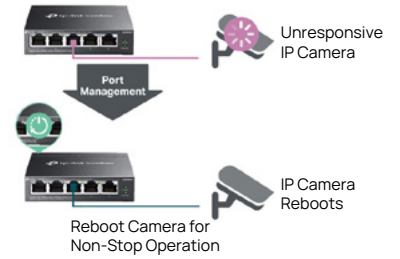
Auto Loop Detection Increases the Stability of Surveillance Networking



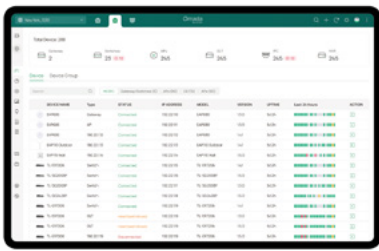
One Click to Enhance Security and Quality
Enhance camera security with one-click Port Isolation. Auto QoS ensures stable video operation.



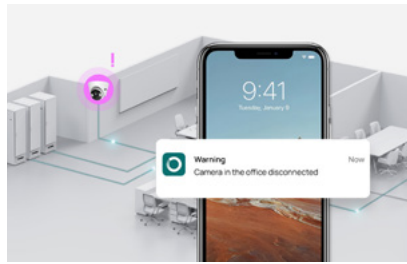
Optimized PoE Auto Recovery or Port Management to Automatically or Remotely Reboot Unresponsive Cameras



IP Camera/NVR Recognition and Monitoring

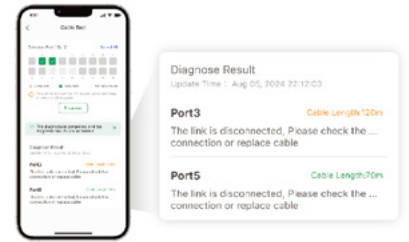


IPC Offline Alarm



Cable Test

Detect Cable Length and Connection Quality Online



Perfect for Small Business Networks Minimizing the Maintenance Burden for MSPs/SIs Requiring Easy Setup, Basic Features, and Business-Class Quality



Motels / Hostels / Small Hotels



Villas / Big Houses



Small Offices



Small Restaurants / Small Stores

System Management

Topology for Easier Monitoring and Troubleshooting

Remotely Access Logs and Receive Real-Time Alerts of Networks

Multi-Site Management with Multi-Role Assignment

PING, Wi-Fi Scan, and Internet Speed Test for Troubleshooting

Easily Configure Access Points

Portal Authentication (Voucher, Form Auth, External Portal Server)

One-Click WLAN Setting

Fast Roaming

Guest Wi-Fi

Mesh

Bandwidth Control

Easily Configure Gateways

WireGuard VPN

Port Forwarding / Dynamic DNS

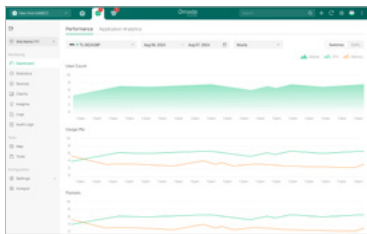
ACL

Omada Liberates IT Administrators

Simple Management

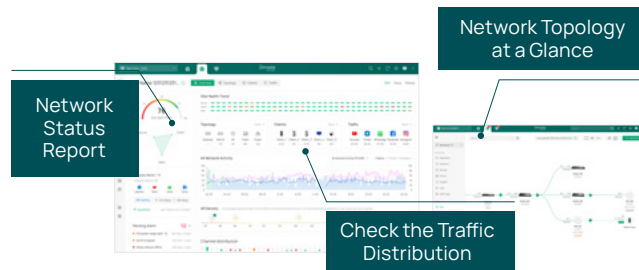
Real-Time Network Status and Full Report of Clients, Devices, WAN, and Wi-Fi

Easily share network service quality with administrators through customized reports.



Easy and Intelligent Network Monitoring

The easy-to-use dashboard ensures SIs follow real-time network status and various kinds of information at a glance.



Managed Service Provider (MSP) Mode

The Managed Service Provider mode enables multi-customer and multi-site deployment, scaling with management needs.

Multi-Customer & Multi-Account Management

Manage multiple customers without switching controllers. Liberate SI partners.

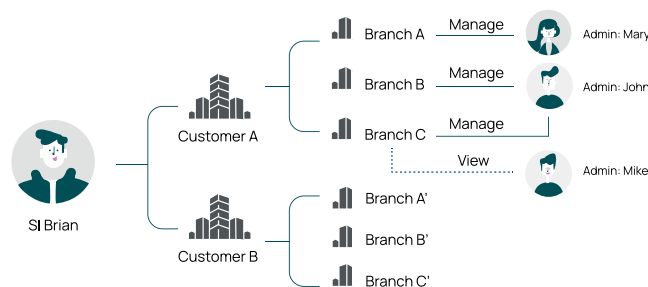
&

Multi-Site Management

Easier to check and manage multiple sites with a more well-organized management structure. A 4-layer management system is provided.

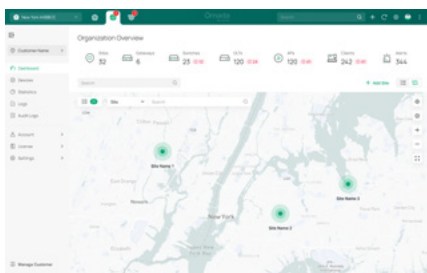
Multi-Tenant Privilege Assignment

Take advantage of multi-person management and multi-level permissions, while adding administrators wherever necessary.



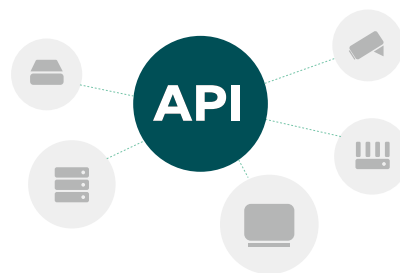
MAP

- **Site MAP:** Supports adding Site geographic markup and retrieving Site location, while visually displaying the site network status.
- **Device MAP:** Supports adding Device geotags and retrieving Device locations.



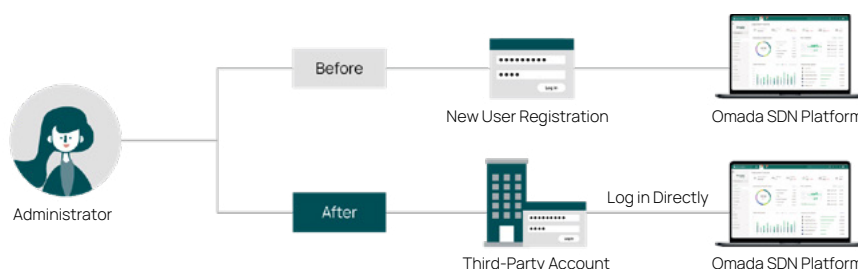
OpenAPI

Facilitates integrated access and system integration with clients' existing systems or services from third parties.



Single Sign On (SSO)

- Supports third-party accounts to log in to the Omada platform, such as the account of the apartment management system.
- Eases repeated login issues encountered by administrators while in multiple application systems at the same time



Simplified Site Management via SD-WAN

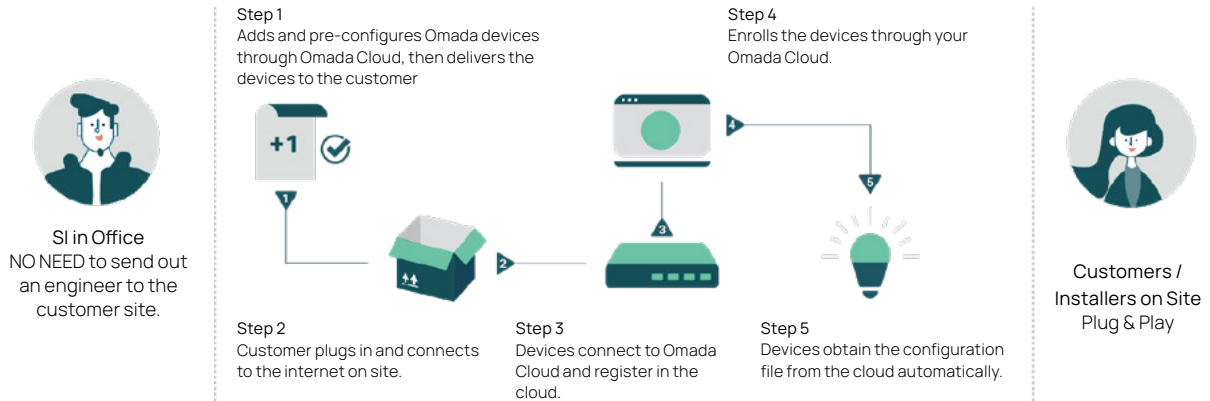
Establish site-to-site VPN tunnels between gateways with one click—no manual setup needed. Seamless multi-site device interconnection via the Controller simplifies management.



Easy Operation and Maintenance

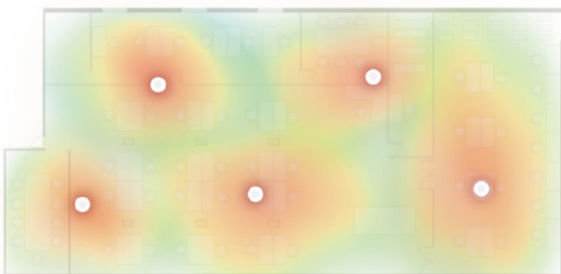
Zero-Touch Provisioning

Allows admins to remotely deploy and configure multi-site networks, so there's no need to send out an IT expert for on-site configuration.



Wi-Fi Heatmap Simulator to Generate Wi-Fi Solutions with Ease

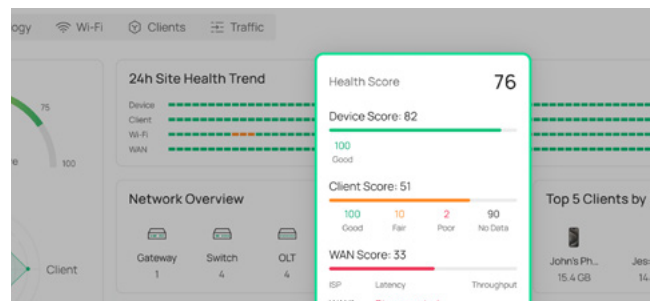
Simulates the wireless coverage effect of APs in the actual site and determines the appropriate number and location of APs according to the coverage requirements.



Reasonable AP Deployment with Wi-Fi Heatmap Simulator

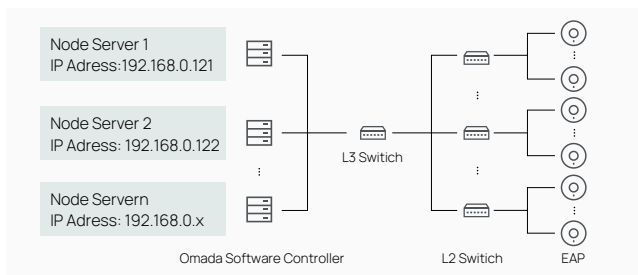
Multi-Level Health Monitoring

Detect issues early and reduce downtime with layered visibility across Site, WAN/Wi-Fi, and Device/Client in one glance.



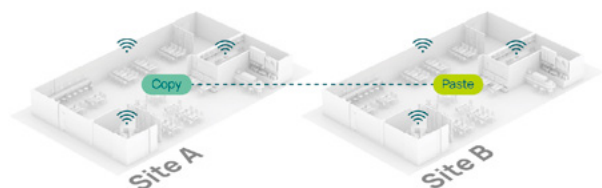
Cluster Deployment for Robustness and Scalability

Deploy multiple controllers in a synchronized cluster as backups for seamless scaling and uninterrupted operation.



Site & Device Templates for Instant Network Configuration

Create a site & device configuration template and bind to new sites. The configuration will be synchronized with the configuration of the template – eliminating the need of repeated configuration.



Real-Time Automatic WLAN Optimization

Powerful wireless performance while greatly reducing Wi-Fi interference with automatic Channel Selection, Power Adjustment, Bandwidth Allocation, and Frequency Band Deployment.

Integrated Troubleshooting Tools

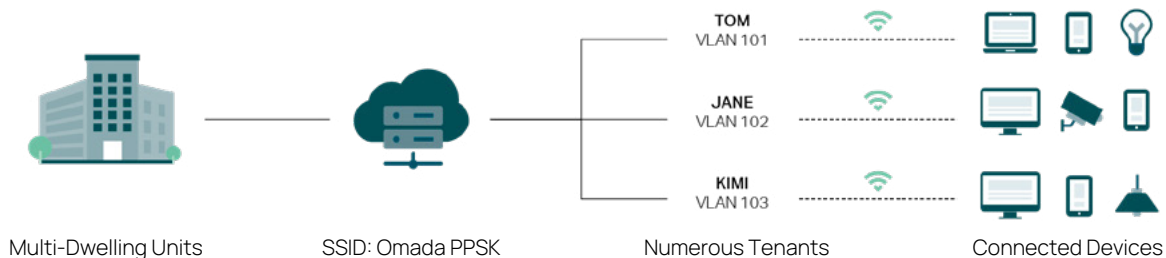
PING | Traceroute | DNS QUERY | Terminal | Packet Capture

Omada Optimizes User Experience

Always-Assured Security

Private Pre-Shared Key (PPSK)

Creates unique pre-shared keys for individual users on the same SSID to enhance residents' network security.



Content Filtering

Filter internet access using a URL category database and schedule rules to create a safe, policy-driven browsing environment—at home, at work, in schools, on public networks, or in custom setups.



DPI (Deep Packet Inspection)

Easily specify internet access rights and strategies via DPI (Deep Packet Inspection), IP/MAC/URL Filtering, and Access Control List (ACL)




IDS/IPS

The integrated IDS/IPS engine bolsters threat detection and defense. Additionally, there is an embedded, regularly updated signature database for attack prevention.



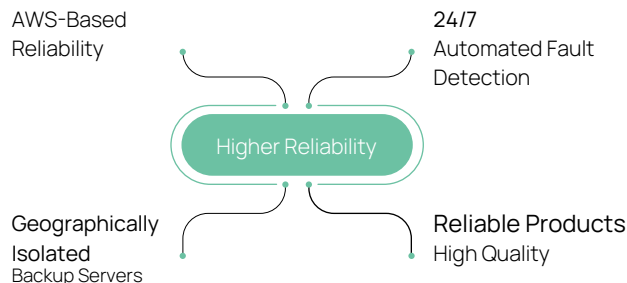
Abundant Security Functions

Powerful firewall and advanced security functions further protect your network and data.

-  High-Security VPN
-  Powerful Firewall
-  DoS Defense
-  Access Control
-  Advanced WPA3 Encryption
-  Captive Portal

Higher Reliability

Cloud services are guaranteed with AWS-Based reliability, 24/7 automated fault detection, geographically isolated backup servers, and reliable product quality. Your network functions even if management traffic is interrupted.



02

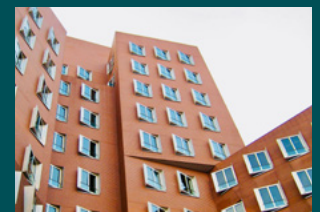
Omada Solutions by Scenario



Hotels



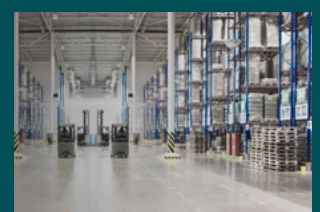
Small and Mid-Sized Offices



Multi-Dwelling Units (MDUs)



Restaurants/Stores

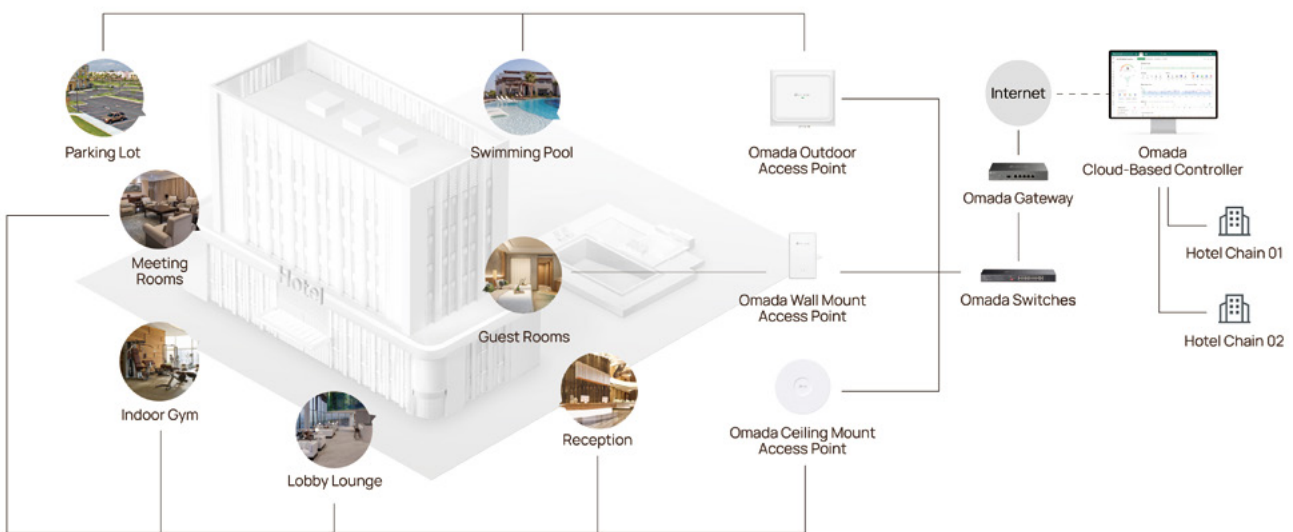


Warehouses

Omada Networking Solution for Hotels



Omada offers a proven, comprehensive solution for hotels of all sizes, delivering high-performance hardware and core software to ensure an exceptional Wi-Fi experience for guests and enhance guest satisfaction. Additionally, the Omada Hotel Solution simplifies management, ensures seamless operation, and reduces operational costs for hotel owners and MSPs.



What Omada Brings to Hotel Networking

Strong Networking and Wi-Fi You Can Trust

- ✓ Ceiling, Wall, Outdoor Access Points for Designated Areas Deliver the Ideal Wi-Fi
- ✓ Enhanced High-Density APs Ensure Connections in Busy Areas Such as Lobbies, Conference Rooms, and Indoor Gyms
- ✓ Seamless Wi-Fi with Authentication Roaming Keeps Guests Connected
- ✓ Multi-WAN Gateway with Backup and Load Balancing Ensures Reliable Connectivity
- ✓ The Comprehensive Product Lineup Features Wi-Fi 7/6, Multi-Gig, PoE+, and L2/L3 Switching to Deliver a Complete Solution
- ✓ Secure Networking with WPA3, Multi-level Isolation (Network / Port / Client) and Built-in IPS/IDS

Efficient Backbone Network for Hotel IT

- ✓ Supports Hotel PMS Through a Radius Server
- ✓ Supports Multiple Guest Authentication Methods, Including Captive Portal, LDAP, and Text with Twilio
- ✓ Works with IP PBX for Easy IP Phone Deployment and Management; Supports Analog Phones with FXS Port
- ✓ Work with IPTV Server for Simple IPTV Setup and Management
- ✓ VLAN Segmentation to Separate Each Sub-Network to Improve Data Security
- ✓ The Centralized Remote Management Platform Works for Single Locations or Chain Hotels
- ✓ Multi-User Privilege Assignment Provides Different Levels of Management and Data Access for Each User as Needed
- ✓ Real-Time Monitoring and Efficient Troubleshooting and Networking via Ping, SSH, and Traceroute Tools
- ✓ Robust Cloud SDN Network Supports Future Network Expansion and Scaling

Ideal Solution for Hotel MSPs and SIs

✓ **Cloud Management and Remote Troubleshooting**

No requirements for on-site IT maintenance, saving manpower and costs for MSP/SI operation

✓ **Easy Deployment with ZTP (Zero-Touch Provisioning)**

No IT expertise required for on-site installation; simple and efficient deployment reduces costs

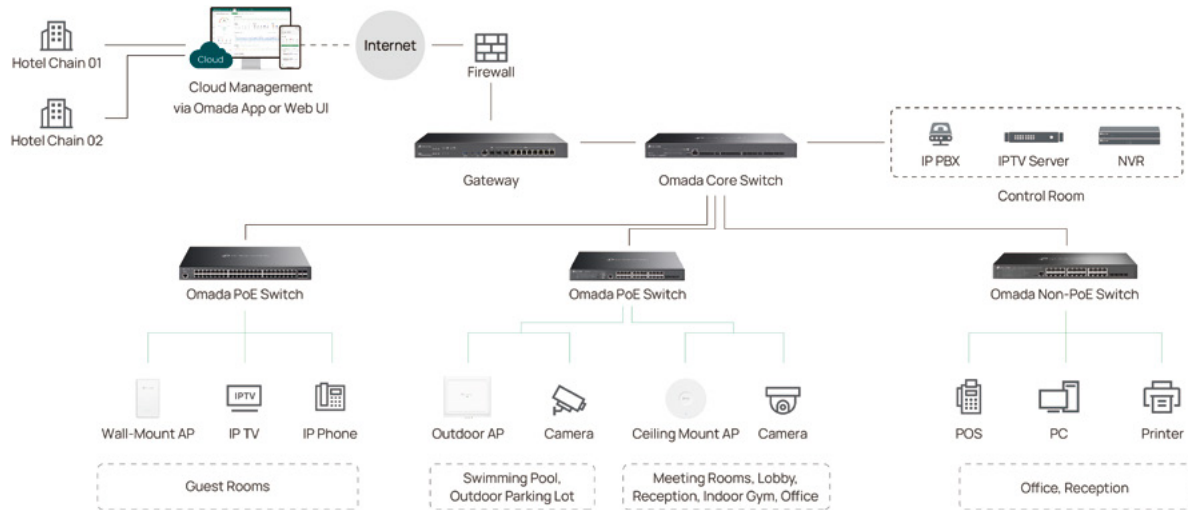
✓ **MSP Mode for Multi-Customer & Multi-Office Management**

A simplified centralized management experience with reduced complexity

✓ **Reliable Hotel Solution with Competitive Cost**

Competitive product costs with integrated manufacturing and supply chain

Typical Solution Topology and Product Recommendations



Product	Model	Hotel Room Size / Device Location	Product Highlights
Controller	OC300 / OC400	Hotel: < 100 rooms	Hardware Controller with No Monthly Fee
	Cloud-Based Controller	Hotel: 100 ~ 300 rooms	Cloud-Based Controller Supports Large-Scale Hotels with More Features
Gateway	ER7412-M2	Hotel: < 100 rooms	Multi-WAN VPN Gateway with Dual 2.5G Ports
	ER8411	Hotel: 100 ~ 300 rooms	Multi-WAN VPN Gateway with Two 10GE SFP+ Ports
Switch	SX3016F	Hotel: various sizes	Aggregation Layer Switch, 16-Port 10GE SFP+ L2+ Managed Switch
	SG3452XMPP	Hotel: various sizes	48-Port Gigabit and 4-Port 10GE SFP+ Switch with 40-Port PoE+ & 8-Port PoE++
	SG3428XPP-M2 (V2)	Hotel: various sizes	24-Port 2.5G PoE++ Switch with 4-Port 10GE SFP+
	SG3452X	Hotel: various sizes	48-Port Gigabit Switch with 4-Port 10GE SFP+
	SG2210MP (Optional)	Hotel: various sizes	10-Port Gigabit Switch with 8-Port PoE+
Access Point	EAP772	Hotel indoor spaces and rooms	BE11000 (US version) / BE9300 (EU version) Ceiling Mount Tri-Band Wi-Fi 7 Access Point for the Latest Wi-Fi Performance
	EAP673 (Optional)	Hotel indoor spaces and rooms	AX5400 Ceiling Mount Wi-Fi 6 Access Point
	EAP725-Wall	Hotel rooms	BE5000 (US version) / BE3600 (EU version) Wall Plate Wi-Fi 7 Access Point
	EAP772-Outdoor	Hotel outdoor spaces	Tri-Band Omnidirectional BE11000 (US version) / BE9300 (EU version) Indoor/Outdoor Wi-Fi 7 Access Point

Typical Cases

Hotels in Bukit Bintang

Name: Hotels in Bukit Bintang

Location: Kuala Lumpur, Malaysia

Products: 1021× APs, 46× Switches, 3× Routers

Benefits

Omada solutions deliver reliable Wi-Fi, enhancing the hospitality experience at Bukit Bintang, with customers expressing high satisfaction with the outcomes.

Testimonials

"The Omada Solution has empowered my business. Customers from all over the world can now enjoy the free Wi-Fi, and I have had no complaints since upgrading."
 –Kenneth, owner of Anggun Boutique Hotel.



"We chose the TP-Link Omada solution for its extreme cost-efficiency and high stability. The whole solution simplified my work so much and increased our guests' overall experience."
 –Chris, IT Manager of 5-star Hotel Istana

Sailor's Beach Club



Name: Sailor's Beach Club (5-Star Hotel)

Capacity: 336 Rooms

Location: Turkey

Products: 373× APs, 17× Switches



Benefits

Sailor's Beach Club is highly satisfied with the Omada system, which has delivered the reliable network performance they required. Essential networking needs, including primary and secondary backbone connectivity, seamless guest access, and franchise Wi-Fi services, are now effortlessly met.

Dream World Palace



Name: Dream World Palace (5-Star Hotel)

Capacity: 600 Rooms

Location: Turkey

Products: 300× Omada Wall Plate APs, 25× Omada Ceiling Mount APs, 20× Omada Outdoor APs, 16× Omada Switches, 22× Omada SFP Modules



Benefits

The Dream World Palace has expressed intense satisfaction with their implemented solution. The Omada ecosystem provided the reliable network performance that the hotel needed. Classic networking demands have been met and can now be considered as standard at the Dream Palace, including: Primary and Secondary Backbone Systems' Connectivity, Corporate Network, Standard and On-Demand Guest Network, WiFiTTR Services, and CCTV IP Cameras.

Omada Wi-Fi Network Solution in 3 State-of-the-Art Hotels of the Epic Hotel Group



Name: Pelagos Suites Hotel & Spa

Capacity: 202 Suites and 5 Villas

Location: Greece

Products: 120× Omada Wall Plate APs, 8× Omada Ceiling Mount APs, 10× Omada Outdoor APs, 19× Omada Switches, 1× Omada Hardware Controller



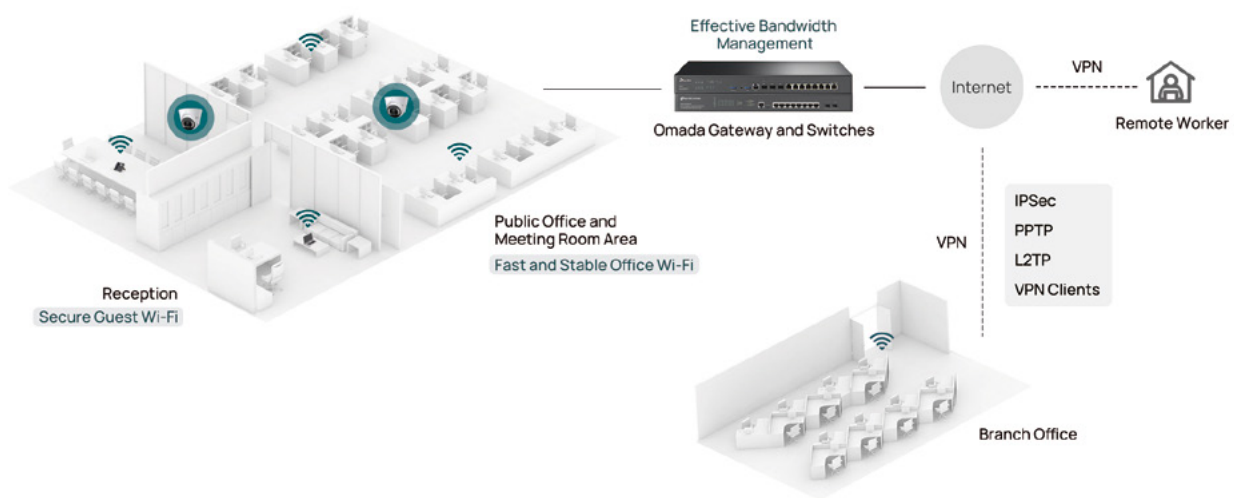
Testimonials

"In the Epic hotel group high quality Wi-Fi networks is of vital importance for our guests. We were looking for a vendor to meet our criteria and implement next generation networks, ensuring the consistency of our guest's experience of Internet access, content and speed. TP-Link team and Datalab were very efficient in the design, installation and operation of the overall solution in our hotels. As a result, we have great systems in place that contribute to a remarkable customer experience."
 – Mr. Petros Kefalianos (General Manager)

Omada Networking Solution for Small to Mid-Size Offices



Omada's Software-Defined Networking (SDN) solution is designed for the specific needs of small to mid-sized offices. With a focus on simplicity, security, and stability, Omada streamlines network management and ensures reliable, high-quality connectivity. From staff and guest Wi-Fi to VoIP and CCTV, Omada's comprehensive network solutions support all key office functions seamlessly.



What Omada Brings to Office Networking

Reliable Office / Guest Wi-Fi in Every Corner

- ✓ **Seamless Roaming**
Uninterrupted streaming when walking around
- ✓ **Secure Guest Wi-Fi**
Enable VLAN-isolated guest Wi-Fi with a single click
- ✓ **One-Click WLAN Optimization**
Reduced interference with automatic channel selection and power adjustment

Unified Auto Provisioning for IP Phones

Seamlessly integrate IP phones into a Voice VLAN with automatic configuration

- ✓ **LLDP and LLDP-MED**
Omada switches automatically detect IP phones
- ✓ **Voice VLAN and QoS**
Auto adds IP phones to the dedicated VLAN to separate and prioritize voice data
- ✓ **DHCP Option 66/150**
DHCP options including options 66/150 automatically provision IP phones

Enhanced IP Camera Security, Stability, and Efficiency

Utilize these Omada switch features to boost CCTV network security and reliability

- ✓ **Access Control List (ACL) and Port Isolation**
Prevents unauthorized access for greater security
- ✓ **820ft (250m) PoE Transmission**
Software-controlled Extend Mode of Omada PoE switches
- ✓ **Assured Stable Video Quality**
QoS, PoE Auto Recovery, remote camera reboot, and auto loop detection

Reliable WAN Connections, VPN, and Employee Behavior Management

- ✓ **4G and Multi-WAN Backup and Load Balancing**
Higher reliability and efficiency
- ✓ **Enterprise VPN**
SSL/WireGuard/GRE/IPSec/PPTP/L2TP
VPN & OpenVPN
- ✓ **Employee Internet Access Management**
Content/URL filtering and DPI for application identification

Bandwidth Management and DHCP Reservation in Office Networks

- ✓ **Effective Bandwidth Management**
Flexible flow control strategy
- ✓ **DHCP Reservation**
Avoid reconfiguration even after reboots

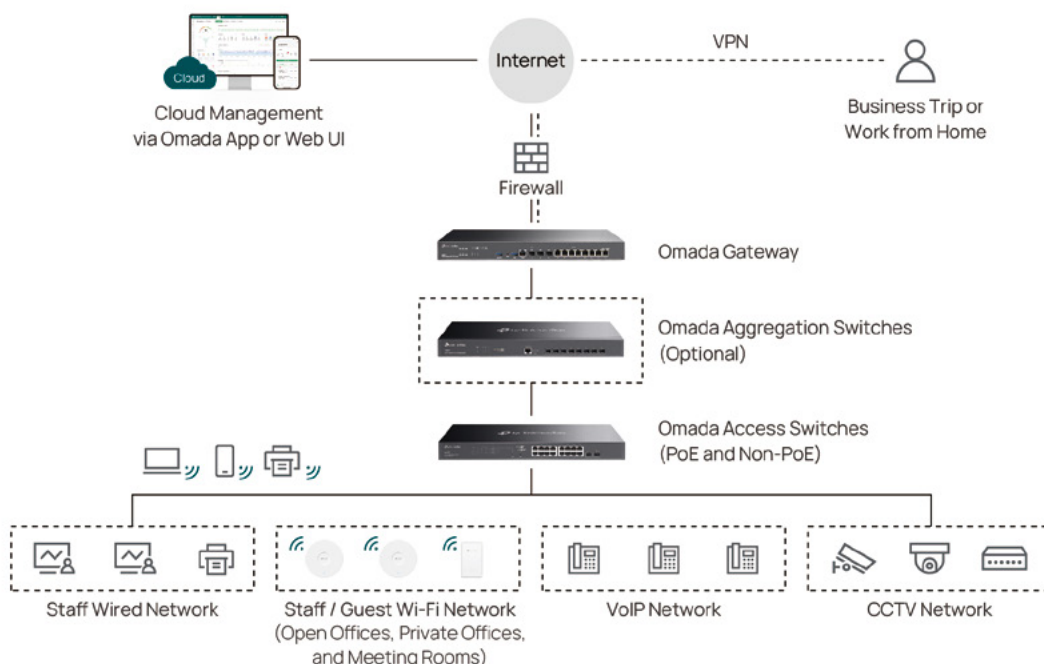
Additional Features for Medium or Large Offices

- ✓ **High-Availability L3 Switch & Stacking**
VRRP, ERPS, RIP & OSPF, PIM-SM/DM, ECMP, PBR, and more
- ✓ **RADIUS and LDAP Authentication**
Secure network access to authorized users with 802.1X/Radius/ LDAP etc.
- ✓ **Spanning Tree Protocol (STP)**
Prevents network loops for higher reliability

Management Convenience for SIs / MSPs

- ✓ **SD-WAN**
One-click multi-site VPN setup and easier maintenance
- ✓ **Easy Setup with ZTP (Zero-Touch Provisioning)**
No IT expertise required for on-site installation
- ✓ **Cloud Management and Remote Troubleshooting**
No requirements for on-site IT maintenance, essential for offices lacking dedicated IT staff
- ✓ **MSP Mode for Multi-Customer and Multi-Office Management**

Typical Solution Topology and Product Recommendations



Small and Micro Offices (< 20 Employees)

Product	Model	Quantity	Role	Features
Controllers	OC220	1	Manage gateways, switches, and APs	Hardware Controller without running PCs; Manage up to 130 Omada devices; Free cloud access
Gateways	ER7206	1	Gateway	5x GE RJ45 ports; 1x GE SFP slot; Load Balancing on up to 5x WAN ports; VPN
Switches	SG3428MP	1	Connect APs, IP phones, and cameras	24x GE PoE+ RJ45 ports; 4x GE SFP ports; 384W PoE budget
	SG3428	1	Connect PCs and printers	24x GE RJ45 ports; 4x GE SFP ports
Ceiling Mount APs	EAP653	2-3	Wi-Fi for public offices and meeting rooms	Up to 3.0 Gbps Wi-Fi 6 speed; 4x spatial streams; 1x Gigabit PoE+ port; Mesh; Seamless roaming; 1500 ft² (140m²) Wi-Fi coverage
	EAP723	2-3	Wi-Fi for public offices and meeting rooms	Up to 5.0 Gbps Wi-Fi 7 speed (US version); 4x spatial streams; 1x 2.5G PoE+ port; Mesh; Seamless roaming; 1500 ft² (140m²) Wi-Fi coverage

Small Offices (20-100 Employees)

Product	Model	Quantity	Role	Features
Controllers	OC300	1	Manage gateways, switches, and APs	Hardware Controller without running PCs; Manage up to 700 Omada devices; Free cloud access
Gateways	ER8411	1	Gateway	2× 10GE SFP+, 1× GE SFP, 8× GE RJ45 ports; Load Balancing on up to 10× WAN ports; VPN
Switches	SX3008F	1	Aggregation switch	8× 10G SFP+ slots, DHCP Server, IP Interface
	SG3210XHP-M2	1-2	Connect APs	8× 2.5G PoE+ RJ45 ports; 2× 10G SFP+ ports; 240W PoE budget
	SG3452XP	1-2	Connect IP phones and cameras	48× GE PoE+ RJ45 ports; 4× 10G SFP slots; 500W PoE budget
	SG3452X	1-2	Connect PCs and printers	48× GE RJ45 ports; 4× 10G SFP slots
Ceiling Mount APs	EAP772	4-10	Wi-Fi for public offices, private offices, and meeting rooms	Wi-Fi 7 tri-band; Up to 11.0 Gbps Wi-Fi speed (US version); 1× 2.5G PoE+ port; Bluetooth; Mesh; Seamless roaming; 1500 ft² (140 m²) Wi-Fi coverage
Wall Plate APs	EAP725-Wall	1-4	Wi-Fi for private offices	Wi-Fi 7; Up to 5.0 Gbps Wi-Fi speed (US version); 2× 2.5G ports (one supporting PoE pass-through) and 2× GE ports

Mid-size Offices (100-300 Employees)

Product	Model	Role	Features
Controllers	OC400	Manage gateways, switches, and APs	Hardware Controller without running PCs; Manage up to 1,300 Omada devices; Free cloud access
Gateways	ER8411	Gateway	2× 10GE SFP+, 1× GE SFP, 8× GE RJ45 ports; Load Balancing on up to 10× WAN ports; VPN
Switches	SX3032F	Aggregation switch	32× 10G SFP+ Slots, DHCP Server, IP Interface
	SX3832MPP	Connect ceiling mount APs	24× 10G PoE++ RJ45 Ports; 8× 10G SFP+ Slots; 770W PoE Budget
	SG3428XPP-M2 (V2)	Connect IP cameras and phones, and wall plate APs	24× 2.5G PoE++ RJ45 Ports; 4× 10G SFP+ Slots; 770W PoE Budget
	SG3428X-M2	Connect PCs and printers	24× 2.5G RJ45 Ports; 4× 10G SFP+ Slots
Ceiling Mount APs	EAP787	Wi-Fi for public offices and meeting rooms	Wi-Fi 7 tri-band; Up to 15.1 Gbps Wi-Fi speed (US version); 1× 10G PoE+ port
Wall Plate APs	EAP725-Wall	Wi-Fi for private offices	Up to 5.0 Gbps Wi-Fi 7 speed (US version); 2× 2.5G ports (one supporting PoE pass-through) and 2× GE ports
	EAP775-Wall	Wi-Fi for private offices	Up to 11.0 Gbps Wi-Fi 7 speed (US version); 2× 2.5G ports and 3× GE ports (2× PoE Out or 1× PoE+ Out)

Key Products for Larger Offices (300+ Employees)



Omada L3 Switch
SX6632YF

- 26-Port 10G Stackable L3 Managed Switch with 6× 25G Slots



Omada L3 PoE Switch
SG6654XHP

- 48-Port Gigabit Stackable L3 Managed PoE+ Switch with 6× 10G Slots



Omada Wi-Fi 7 Access Points
EAP787

- BE15000 Ceiling Mount Wi-Fi 7 Access Point



Omada Wi-Fi 7 Access Points
EAP775-Wall

- BE11000 Wall Plate Wi-Fi 7 Access Point

Cases



Omada Delivers Reliable Wi-Fi 6 Connectivity for 2000 Sq. Ft. Workspace in M2 Animation

"From the initial site survey to pre-planning visits and the actual installation of the entire wireless setup, the Omada team and their SolutionX Partner Sejutronics team exceeded our expectations. We are delighted with the after-sales service and support provided by the team, and we look forward to their continued availability in the future."

- Mr. Kayash, Networking Consultant for M2 Animation Studio



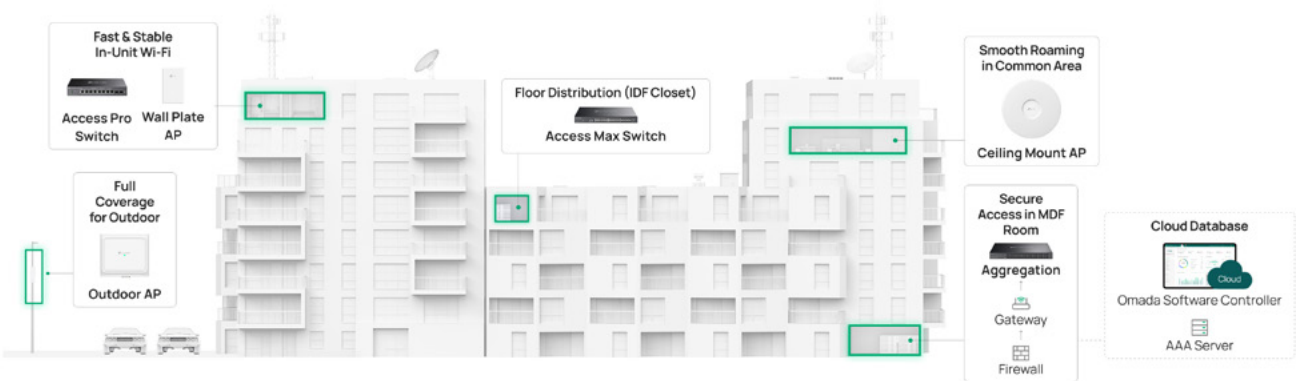
Omada Delivers Reliable Wi-Fi Connectivity for 12 Million Sq. Ft. Industrial Estate in Pinthong Industrial Estate of Thailand



Omada Offers TV Skyline Reliable Data Transfers and Failure Safety for Live Broadcasting

Omada Networking Solution for Multi-Dwelling Units (MDUs)

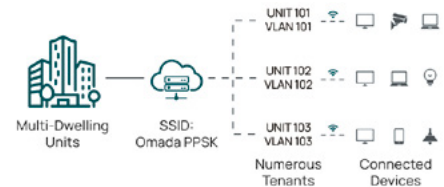
Omada solutions shape a more connected and secure multi-family and student housing future.



Omada Brings Reliable Networking for MDUs

Private Pre-Shared Key (PPSK)* and Dynamic VLAN Offer Business-Grade Security and Flexibility

- ✓ Unique passwords and VLANs for each unit ensure segmented data
- ✓ Supports AAA servers for new revenue streams
- ✓ Unlimited PPSK entries with external RADIUS server integration**
- ✓ Hosts PPSKs on the Omada controller for smaller MDUs to cut OPEX costs



Property-Wide Wi-Fi 7 with Seamless Roaming Drives Higher Resident Satisfaction

- ✓ Wi-Fi 7 technology eliminates congestion
- ✓ Real-time automatic WLAN Optimization
- ✓ Client-Side Bandwidth Management with QoS
- ✓ Property-wide indoor/outdoor Mesh coverage with Seamless Roaming
- ✓ Various Multicast Management features, including IGMP Snooping
- ✓ Compact device design for cabinets and fanless design for quiet operation

Visualized, Centralized Cloud Management for Networking

Flexibly Choose Between On-Premises (Free Software / Hardware) or Cloud-Based Controllers

MSP Mode and Flexible Privilege Assignment

Practical Site Map to Visually Display All Sites on the Map

Simple Network Deployment and Setup

Easy Remote Network Setup with Zero-Touch Provisioning (ZTP)

Instant Network Site and Device Configuration with Site & Device Templates

Automatic Topology, Device Discovery, and One-Click Adoption

*PPSK is currently not offered on WPA3 encryption at this time.

**The actual number of PPSK entries depends on the performance of the external RADIUS server. When used with Dynamic VLAN, the entries are limited to a maximum of 4,096.

Remote and Quick Troubleshooting

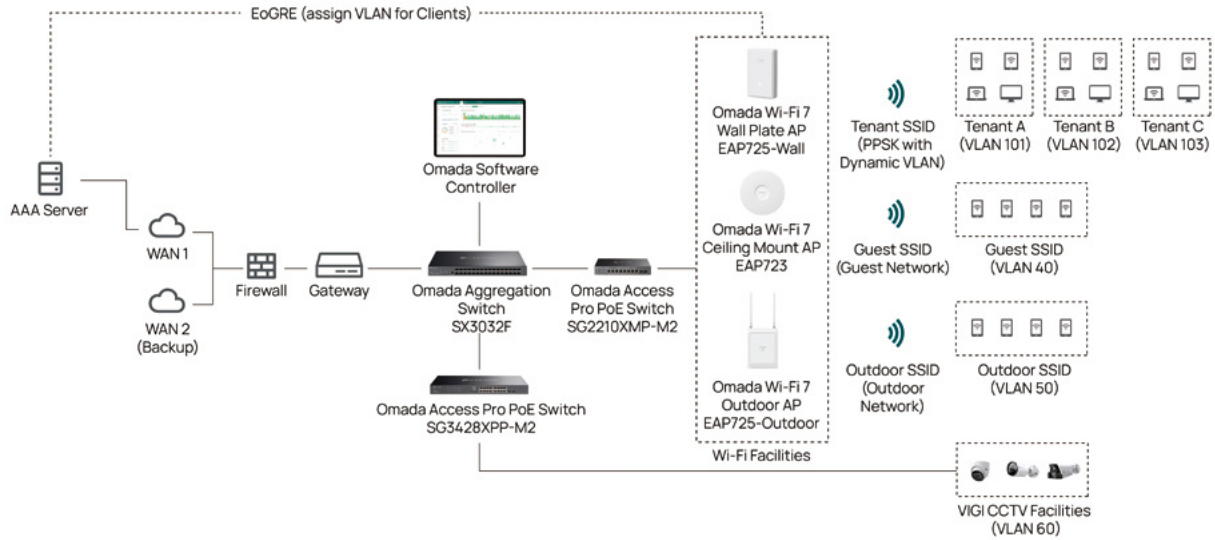
Topology for Quick Troubleshooting

24/7 Intelligent Anomaly Detection

Access Network Logs and Receive Alert Notifications at Any Time

Integrated Troubleshooting Tools: Traceroute, DNS Lookup, ARP Table, Ping, Packet Capture, and Cable Test

Typical Solution Topology and Product Recommendations



Type	Model	Features	
Omada Wi-Fi 7 Access Points	Wall Plate	EAP725-Wall	Up to 5.0 Gbps Wi-Fi 7 Speed (US Version); 4x Spatial Streams; 2x 2.5G Ports (1x PoE++/PoE+ Input, 1x PoE+/PoE Pass-Through); 2x Gigabit RJ45 Downlink Ports; PPSK ; Mesh; Seamless Roaming
	Ceiling Mount	EAP723	Up to 5.0 Gbps Wi-Fi 7 Speed (US Version); 4x Spatial Streams; 1x 2.5G PoE+ Port; PPSK , Mesh; Seamless Roaming; 1500 ft ² (140 m ²) Wi-Fi Coverage
	Outdoor	EAP725-Outdoor	Up to 5.0 Gbps Wi-Fi 7 Speed (US Version); Built-in Directional Antennas and Detachable Omni Antennas; 4x Spatial Streams; 1x 2.5G PoE+ Port; PPSK ; Mesh; Seamless Roaming; IP66
Omada Switches	Aggregation	SX3032F	32x 10G SFP+ Slots; Aggregation Layer; DHCP Server, Static Routing
	Access Pro	SG3428XPP-M2 (V2)	24x 2.5G PoE++ RJ45 Ports; 4x 10G SFP+ Slots; 770W PoE Budget
	Access Pro	SG2210XMP-M2	8x 2.5G PoE+ RJ45 Ports; 2x 10G SFP+ Slots; 160W PoE Budget

Cases



Omada Helps Streamline MSP Operations for over 14,000 Condos and Indoor/Outdoor Common Areas

“We had been managing our 14,000 APs with various provisioning and management systems. Now that we’re using one controller for those functions. Our operations team is much happier – it streamlined the way they work.”

–Luis Santos, vice president of engineering at IPacket Networks



Omada Delivers a Wi-Fi Solution for 200,000 Container Homes in Turkey



Omada’s Wi-Fi 6 Solution Transforms Student Wi-Fi Across 500+ Dormitories in the United States



Omada Builds Wall-to-Wall Wi-Fi for Over 400 Rooms in Thailand

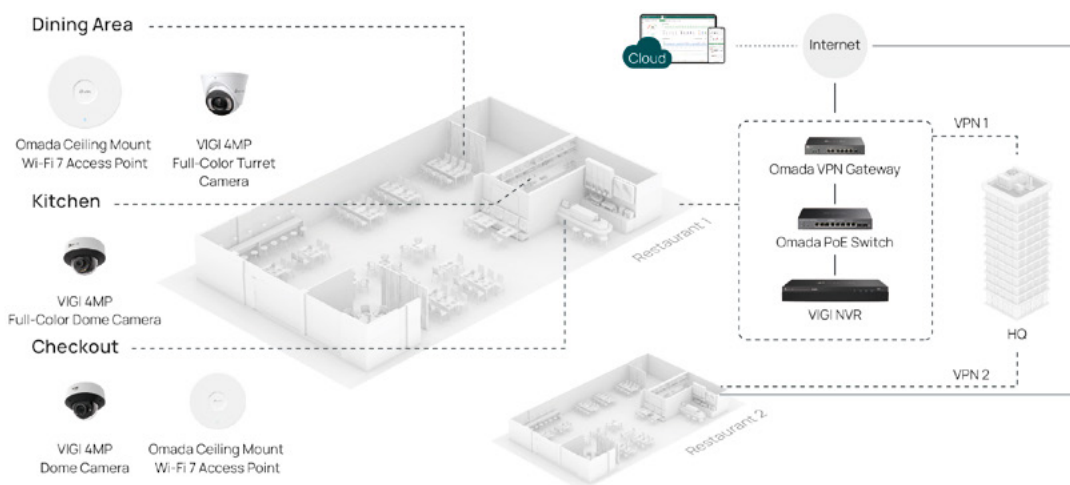


Omada Delivers Full-Covered Wi-Fi to Over 400 Rooms in Brazil

Omada Networking Solution for Restaurants/Stores



Streamline your operations with Omada's cloud-based solution, enabling remote and multi-location management while minimizing transaction delays, disruptions, and security risks.



What Does Omada Bring to Restaurant/Store Networking?

Uninterrupted POS System Empowers In-Restaurant/Store Revenue Growth

- ✓ Omada 4G Gateways for Automatic 4G Access and Multi-WAN Gateways for Load Balancing and Failover in Network Downtime
- ✓ Alerts and Webhooks Ensure Owners Quickly Identify and Address Transaction Failures in Real Time
- ✓ Rate Limit and QoS Prioritize Payment Services to Prevent Non-Core Wireless Devices from Taking up too Much Traffic

Seamless WiFi Connectivity Across the Entire Property

- ✓ WiFi 7 & 6 Access Points
Mesh, seamless roaming, MLO, 6 GHz, MU-MIMO, OFDMA, and more, enhance efficiency
- ✓ Seamless Roaming for Uninterrupted Connectivity While Walking Around In-Store to Charge via the POS Terminal
- ✓ Custom Captive Portal
Boost security with user authentication while promoting your restaurants and stores

Secure Data Transmission, Segmentation, and Compliance for a Reliable Customer Experience

- ✓ VPNs for Secure Payment and Surveillance Data Transmission Between Branches and HQs
SSL, IPSec, PPTP, L2TP, OpenVPN, WireGuard, and L2TP over IPSec VPN
- ✓ Wildcard FQDN ACL Ensures POS Systems Connect Only to Authorized Domains, While VLAN Offers Added Protection
- ✓ Omada Supports PCI DSS to Protect Payment Card Data and Prevent Data Breaches and Fraud

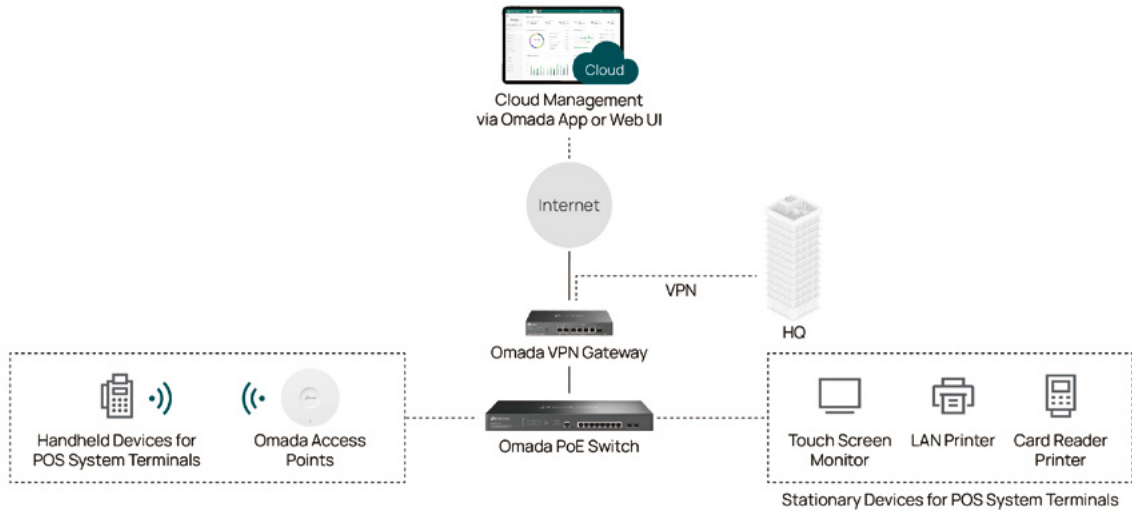
Compatible and Scalable Networking for Growing Businesses

- ✓ Open API
Facilitates seamless integration with third-party applications such as inventory and POS systems
- ✓ PoE Switches for Surveillance
Ensure easy network expansion without major infrastructure changes
- ✓ Full-Stack Solution for Your Budget
Omada offers high-quality end-to-end solutions that remain budget-friendly

Management Convenience for SIs/MSPs

- ✓ **SD-WAN**
One-click multi-site VPN setup and easier maintenance
- ✓ **MSP Mode for Multi-Store Management**
Easily set up a controller, assign a "customer" for each brand, and designate a "site" for every branch to match your business structure
- ✓ **Centralized, Remote Operation & Management**
No requirements for on-site IT maintenance, essential for stores lacking dedicated IT staff
- ✓ **Copy Sites and Templates for Fast, Scalable Expansion**
Simplify network deployment in new locations and seamlessly support your growing business needs

Typical Solution Topology and Product Recommendations



Stores with an area of less than 323 ft² (30 m²)

Product	Model	Role	Features
Controller	Omada Cloud Standard	Manages gateways, switches, and APs	Cloud-Based Controller without any hardware investment; Unlimited Managed Devices; ZTP; Omada App
	OC220 (Optional)		Hardware Controller without running PCs; Manage up to 130 Omada devices; Free cloud access
Gateway	ER605	Gateway	5× Gigabit RJ45 ports; 1× USB 2.0; Load Balancing on up to 3× WAN ports; VPN
Switch	SG2008P	Connects APs, IP phones, and cameras	8× Gigabit RJ45 Ports (Ports 1-4 Support 802.3at/af PoE+); 62W PoE budget
	SG2210P (Optional)		8× Gigabit PoE+ RJ45 ports; 2× Gigabit SFP slots; 61W PoE budget
Access Point	EAP613	Wi-Fi for POS terminals and public Wi-Fi of restaurants/stores	Up to 1.8 Gbps Wi-Fi 6 speed; 4× spatial streams; 1× Gigabit PoE+ port; Mesh; Seamless roaming; 1250 ft ² (115m ²) Wi-Fi coverage

Stores with an area between 323 ft² (30 m²) and 861 ft² (80 m²)

Product	Model	Role	Features
Controller	OC300 (Optional)	Manages gateways, switches, and APs	Hardware Controller without running PCs; Manage up to 700 Omada devices; Free cloud access
	Omada Cloud Standard		Cloud-Based Controller without any hardware investment; Unlimited managed devices; ZTP; Omada app
Gateway	ER7206	Gateway	5× Gigabit RJ45 ports; 1× Gigabit SFP slot; 1× USB 3.0; Load Balancing on up to 5× WAN ports; VPN
Switch	SG2428LP	Connects More APs, IP phones, and cameras	24× Gigabit RJ45 ports (Ports 1-16 Support 802.3at/af PoE+); 4× Gigabit SFP slots; 150W PoE budget; Fanless
Access Point	EAP653	Wi-Fi for More POS terminals and Larger stores	Up to 3.0 Gbps Wi-Fi 6 speed; 4× spatial streams; 1× Gigabit PoE+ port; Mesh; Seamless roaming; 1500 ft ² (140m ²) Wi-Fi coverage

Stores with an area over 861 ft² (80 m²)



Omada 2.5G Access Pro PoE Switch

SG3428XPP-M2 (V2)

- 24-Port 2.5GBASE-T and 4-Port 10GE SFP+ L2+ Managed Switch with 24-Port PoE++



Omada VPN Gateway ER8411

- VPN Gateway with 10G Ports



Omada Wi-Fi 7 Access Point EAP772

- BE11000 (US version) / BE9300 (EU version) Ceiling Mount Tri-Band Wi-Fi 7 Access Point

Cases



Omada **Boosts Efficiency** for Intertoys with 220 Toy Stores in the Netherlands

“We already knew that innovation was necessary, and it’s reassuring to have confirmation that we made the right choice in terms of the party and product, at the right price.”

—Gejo van der Kaaden , IT Manager of Intertoys



Omada Powers Free Wi-Fi for Sim Lim Square’s 10,000+ Visitors in Singapore



Omada Enhances TSUI WAH’s Network with a New POS Solution



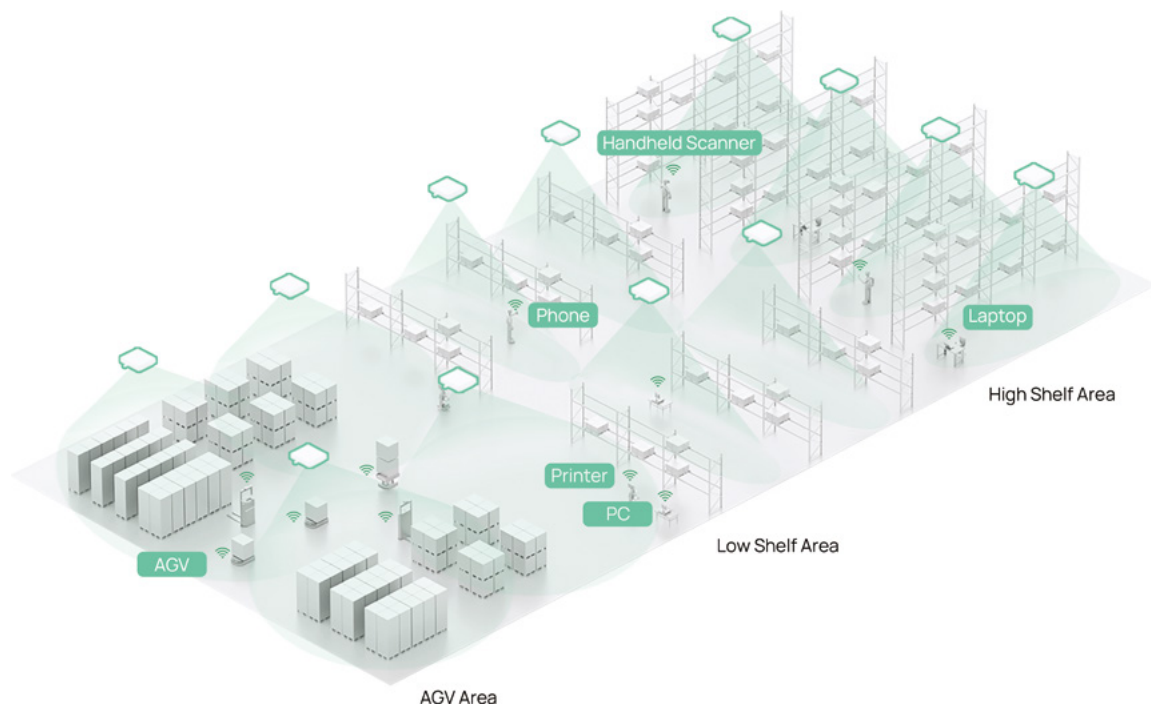
Omada Delivers Seamless Wi-Fi to Tang Palace’s 600+ Customers in Dubai

Omada Business Wi-Fi for Warehouses



A reliable, high-performance Wi-Fi network in a warehouse is essential for the functioning of business terminals (handheld scanners, tablets, etc.) to communicate with software such as Enterprise Resource Planning (ERP) and Warehouse Management Systems (WMS). Automated guided vehicles (AGVs) and IoT devices also rely heavily on seamless and stable Wi-Fi. However, several challenges make warehouses complex environments for Wi-Fi: vast spaces, numerous obstacles, fluctuating user densities, and ever-changing inventory layouts.

Omada business Wi-Fi, an important part of the Omada Software-Defined Networking (SDN) solution, offers one-stop access to high-quality services and high-performance products, ideal for deploying high-quality Wi-Fi in warehouses.



- ✓ Directional Antennas
- ✓ Good Signal Strength in All Areas
- ✓ Automatic WLAN Optimization
- ✓ 802.11k/v/r Seamless Roaming
- ✓ VLAN
- ✓ Open API

What Omada Brings to Warehouse Networking?

Full Wi-Fi Coverage for Shelf Areas with Directional Access Points

Challenges

- The warehouse has a high ceiling, and regular APs lack sufficient signal strength and have limited coverage.
- Shelves and goods create significant signal obstructions, severely impacting wireless coverage.

Solutions

- Good signal strength in all areas are covered by directional access points.

- ✓ Directional Antenna Design
- ✓ Increased Antenna Gain
- ✓ Wi-Fi Heatmap Simulates Coverage to Simplify Network Planning

Reduced Signal Interference Between APs with Automatic WLAN Optimization

- ✓ Automatic Channel Selection
- ✓ Automatic Transmission Power Adjustment
- ✓ Automatic Bandwidth Allocation

Seamless Roaming Ensures Uninterrupted Connectivity for AGVs and Handheld Scanners

- ✓ 802.11k/v/r Fast Roaming
- ✓ Wi-Fi 6 with Ultra-Low Latency
- ✓ Roaming Algorithm Optimization

High-Security Networking Protects Inventory, Management Data, and AGV Operations

- ✓ The Latest WPA3 Wi-Fi Encryption
- ✓ VLAN to Separate Devices and Business Networks
- ✓ IDS/IPS and DoS/DDoS Protection Prevent Malicious Attacks

Optional Integration with Warehouse Management Systems (WMS) via Open API

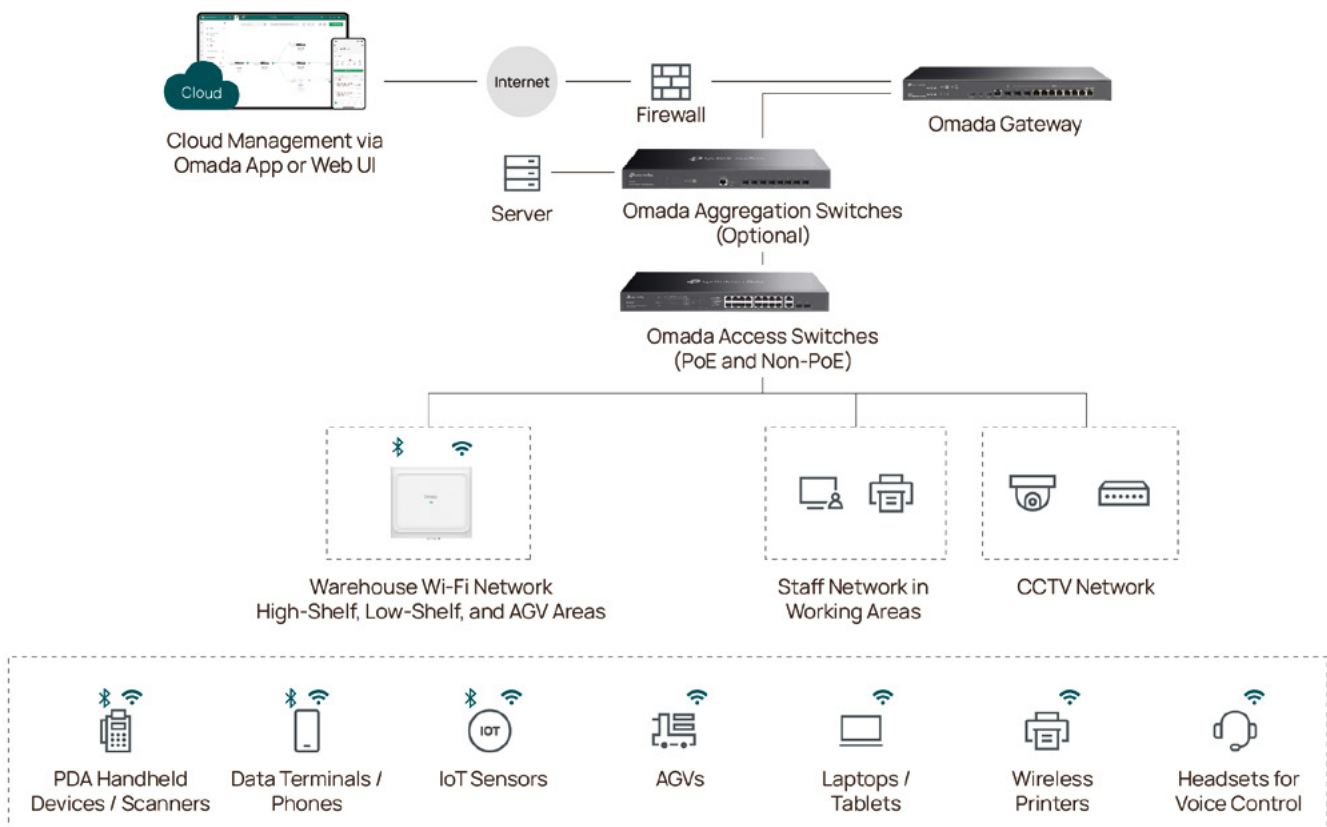
Provides stable and secure network connectivity to boost warehouse collaboration and management.



Prolongs the Battery Life of Mobile and IoT Devices via TWT Technology

Easy O&M for SIs / MSPs

- ✓ Easy Setup with ZTP (Zero-Touch Provisioning)
No IT expertise required for on-site installation
- ✓ Cloud Management and Remote Troubleshooting
No requirements for on-site IT maintenance, essential for warehouses lacking dedicated IT staff
- ✓ MSP Mode for Multi-Customer and Multi-Warehouse Management

Typical Solution Topology and Product Recommendations



	Omada Warehouse Wi-Fi Solution	
	AP with Internal Directional Antennas	
Product Images		
Models	EAP650 D120-Outdoor	EAP650 D30-Outdoor
Wi-Fi Class	AX3000 Wi-Fi 6	AX3000 Wi-Fi 6
Spatial Streams	4	4
Max Concurrent Clients	250+	250+
Ethernet Ports	1x Gigabit	1x Gigabit
Antenna Beamwidth	120°	30°
Bluetooth	Bluetooth 5.2	Bluetooth 5.2
Weatherproof	IP68	IP68
Operating Temperature	-30 ~ 70°C	-30 ~ 70°C



Omada Gigabit VPN Gateway
ER7206

- 5x Gigabit RJ45 ports,
1x Gigabit SFP slot, Load
Balancing on up to 5x WAN
ports, VPN



Omada L2+ Switch
SG3452

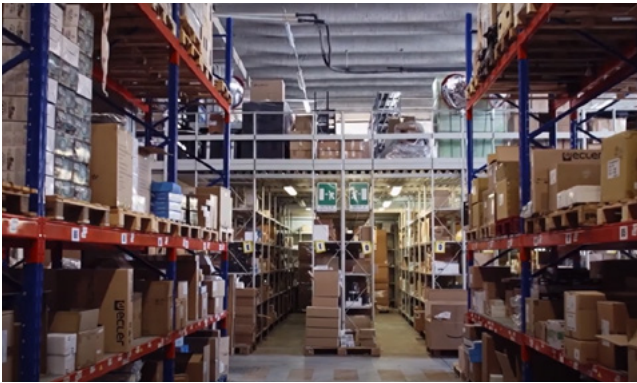
- 48x Gigabit RJ45 Ports,
4x Gigabit SFP Slots, ACL,
VLAN



Omada L2+ PoE Switch
SG3452P

- 48x Gigabit PoE+ Ports,
4x Gigabit SFP Slots, 384W
Total PoE Budget, ACL, VLAN

Cases



Omada Offers [Seamless Wi-Fi Coverage](#) for Exhibo S.p.A. Warehouse and Office

"We turned to Irbema who works with the TP-Link solution, making it possible to achieve total coverage of the warehouse area and above all to solve the problems of disconnection of our terminals which no longer occurs and allow the warehouse workers to operate continuously with great efficiency."

— Davide Frigo, Operation, IT & Quality Manager of Exhibo S.p.A.



Full Wi-Fi Coverage in the Warehouse of Duologica Srl,
an Italian Logistics and Distribution Company



Full Wi-Fi Coverage for the Warehouses and Offices of
the Autotrasporti Barbieri

03


Omada Solutions by Technology


- Wi-Fi 7
- Future-Proof Multi-Gigabit Network Solution
- PoE Switches and Free Cloud for Surveillance
- Long-Range Wireless PtP & PtMP Bridge for Surveillance
- Outdoor 5G – Reliable High-Speed 5G Internet Access
- Outdoor 4G – All-in-One Wi-Fi Solution for Remote Locations
- Outdoor Wi-Fi and PoE Switches
- GPON Solution
- High-Density Wi-Fi
- Stackable L3 Managed Switches
- Industrial Easy Managed Switches




Wi-Fi 7

Breaking Boundaries for Your Business

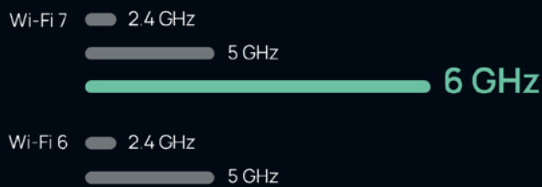
 **2.4× Faster than Wi-Fi 6***
Experience ultra-fast connections for all kinds of business

 **Ultra-Low Latency**
Enjoy crystal-clear video meetings with reduced latency

 **Higher Device Capacity**
Handles high-density environments

 **10G/2.5G Multi-Gig Ports**
All APs feature 10G/2.5G ports for Wi-Fi 7's full potential

Omada Wi-Fi 7 Technology: A Significant Upgrade from Wi-Fi 6

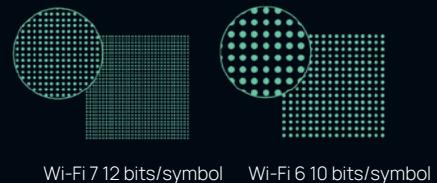
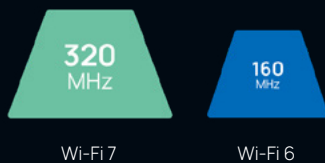


Faster and Higher Capacity with the New 6 GHz Band

The new 6 GHz band offers a larger spectrum and cleaner channels compared to traditional bands, delivering higher capacity, faster connectivity, and less interference.

3× More Reliable and Higher Throughput with MLO

Wi-Fi 6 devices primarily rely on a single link for data transmission. Wi-Fi 7, however, introduces Multi-Link Operation (MLO), enabling simultaneous use of multiple links for higher throughput, lower latency, and improved reliability.

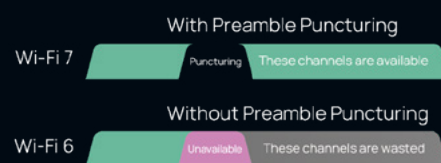


2× More Bandwidth with 320 MHz

With ultra-wide 320 MHz channels, Wi-Fi 7 doubles the bandwidth of Wi-Fi 6's 160 MHz and the number of subcarriers for dramatically higher data transfer rates.

20% More Data Transmission with 4K-QAM

4096-QAM enables each symbol to carry 12 bits instead of 10, increasing theoretical transmission rates by 20% compared to Wi-Fi 6's 1024-QAM. This higher transmission rate boosts data throughput, offering enhanced speeds and improved network reliability.



Reduced Latency with Multi-RU

Wi-Fi 6 restricts each user to a single resource unit (RU), limiting spectrum flexibility. Wi-Fi 7 overcomes this limitation by allowing multiple RUs to be allocated to a single user and enabling RU aggregation, improving data throughput and spectral efficiency.

More Efficiency Under Interference with Preamble Puncturing

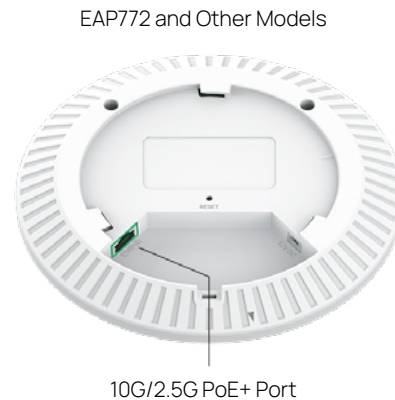
Preamble Puncturing identifies and excludes interference-affected subcarriers, reducing spectral waste and boosting efficiency in challenging wireless conditions.

Scenario-Based Design for Indoor and Outdoor Environments



10G or 2.5G Multi-Gigabit Ports Across the Entire Wi-Fi 7 Lineup

Omada Wi-Fi 7 Access Points, available in Ceiling Mount, Wall-Plate, and Outdoor models, feature 10G or 2.5G Multi-Gigabit ports, delivering the full power of Wi-Fi 7 with exceptional performance and ultra-low latency.



Dedicated RF Scanning Enhances Performance and Simplifies Maintenance

Real-Time Tri-Band Scanning and Spectral Analysis

Over-the-Air Packet Capture

Continuous Scanning without Disrupting Data Transmissions

Interference Source Identification

*Available on EAP787

Dedicated RF Scanning
Real-Time Tri-Band Spectral Analysis

The diagram shows a circular access point with a green sector highlighted, representing the dedicated RF scanning area. The text on the left lists the capabilities: Real-Time Tri-Band Scanning and Spectral Analysis, Over-the-Air Packet Capture, Continuous Scanning without Disrupting Data Transmissions, and Interference Source Identification. A note at the bottom left states '*Available on EAP787'. The text at the bottom right of the diagram reads 'Dedicated RF Scanning Real-Time Tri-Band Spectral Analysis'.

Tri-Band Omnidirectional Coverage, 6 GHz Unlocked by AFC

Unlock the cleaner 6 GHz outdoors—powered by AFC, the EAP772-Outdoor eliminates congestion and delivers tri-band omnidirectional coverage (2.4 GHz, 5 GHz, and 6 GHz).



Industry-Leading IP68 Weatherproof for Outdoor Use



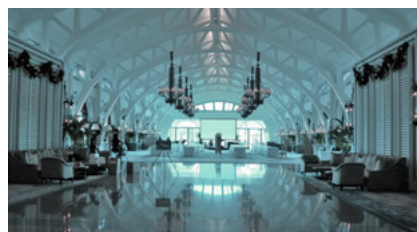
*Available on EAP772-Outdoor

Scenario-Based Design for Indoor and Outdoor Environments

Omada Wi-Fi 7 revolutionizes various environments with high-speed and low-latency capabilities. Powerful internet signals will roll out everywhere you go, keeping everything connected.



Offices



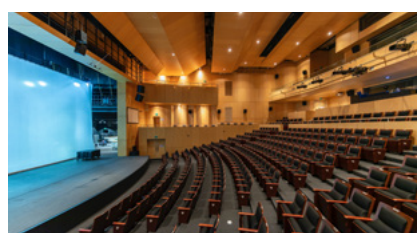
Star Hotels & Resorts & Villas & Big Houses



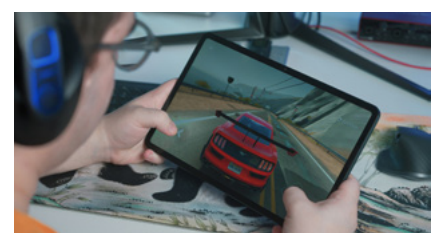
Smart Retail



Schools



Public Venues



E-Sports Cybercafes & LAN Parties

Omada Wi-Fi 7 Ceiling Mount Access Points



6 Ghz

EAP787 High-Performance

BE15000 (US version) /
BE12000 (EU version)

- Tri-Band
- 8 Spatial Streams
- 802.3bt/at PoE or DC
- 1x 10G/2.5G Port
- Bluetooth
- Dedicated RF Scanning



6 Ghz

EAP773

BE11000 (US version) /
BE9300 (EU version)

- Tri-Band
- 6 Spatial Streams
- 802.3at PoE or DC
- 1x 10G/2.5G Port
- Bluetooth



6 Ghz

EAP772 Most Solid

BE11000 (US version) /
BE9300 (EU version)

- Tri-Band
- 6 Spatial Streams
- 802.3at PoE or DC
- 1x 2.5G Port
- Bluetooth



EAP727

BE5000 (US version) /
BE5000 (EU version)

- 5 Spatial Streams
- 802.3at PoE or DC
- 1x 2.5G Port
- Bluetooth



EAP723 Most Affordable

BE5000 (US version) /
BE3600 (EU version)

- 4 Spatial Streams
- 802.3at PoE or DC
- 1x 2.5G Port
- Bluetooth

Omada Wi-Fi 7 Wall Plate Access Points



6 Ghz

EAP775-Wall

BE11000 (US version) /
BE9300 (EU version)

- Tri-Band
- 6 Spatial Streams
- 802.3bt/at PoE*
- 2x 2.5G + 3x 1G Ports
- PoE Out
- Bluetooth



EAP725-Wall

BE5000 (US version) /
BE3600 (EU version)

- 4 Spatial Streams
- 802.3bt/at PoE**
- 2x 2.5G + 2x 1G Ports
- PoE Pass-through
- Bluetooth



6 Ghz

EAP772-Outdoor

BE11000 (US version) /
BE9300 (EU version)

- Tri-Band
- 6 Spatial Streams
- 802.3at PoE
- 1x 2.5G Port
- Bluetooth
- GNSS
- IP68
- Omni-directional Tri-Band Coverage
- Outdoor 6 GHz with AFC



EAP725-Outdoor

BE5000 (US version) /
BE3600 (EU version)

- 4 Spatial Streams
- 802.3at PoE
- 1x 2.5G Port
- Built-in Directional Antennas and Detachable Omni Antennas
- IP66

*802.3bt PoE power supply is required when PoE Out of these access points is used.

**802.3bt PoE power supply is required when PoE pass-through of these access points is used.

Future-Proof Multi-Gigabit Network Solution

Omada 10GbE Gateways, 25GbE & 10GbE & 2.5GbE Switches and Business Wi-Fi Solution



Omada offers gateways, switches, access points with 25GbE, 10GbE, and 2.5GbE ports. These products combine to form a powerful multi-gigabit network solution, unlocking the full potential of your bandwidth and devices. Integrating the Omada Software-Defined Networking (SDN) system and its centralized management capability makes it far more efficient to control your whole business network.

Unleash the Real Wi-Fi 7/6 with 10GbE or 2.5GbE PoE Ports

Omada Wi-Fi 7/6 access points provide blazing-fast business Wi-Fi. 10GbE and 2.5GbE ports match the full bandwidth potential of Wi-Fi 7/6 speeds.



EAP787

Omada BE15000 Ceiling Mount Tri-Band Wi-Fi 7 Access Point



EAP772

Omada BE11000 Ceiling Mount Tri-Band Wi-Fi 7 Access Point



EAP683 UR

Omada AX6000 Ceiling Mount Wi-Fi 6 Access Point



EAP673

Omada AX5400 Ceiling Mount Wi-Fi 6 Access Point

Enterprise 10G and 2.5G Gateway Ensures High-Speed Performance

The Omada VPN gateway with 10G or 2.5G ports supports high-bandwidth aggregation connectivity. ER8411 features two 10G SFP+ ports (one WAN, one WAN/LAN) while ER7412-M2 and ER707-M2 feature two 2.5G RJ45 ports, making it ideal for enterprise-level businesses, schools, hotels, and large-scale deployments.



25G/10G/2.5G Multi-Gigabit Managed Switches



Omada's 25G/10G/2.5G multi-gigabit managed switches are equipped with 25 Gbps fiber, 10 Gbps fiber, 10 Gbps copper, or 2.5 Gbps copper ports. This flexibility provides maximum performance and low latency. Easily establish reliable and lightning-fast connections to Wi-Fi 7/6 access points, storage servers, and other switches and devices.

Find the Best 25G/10G/2.5G Multi-Gigabit Managed Switch for You

Omada Managed switches with 25G fiber, 10G fiber, 10G copper, or 2.5 Gbps copper are available to fit many deployment scenarios. They provide high performance, scalability, and cost-effectiveness that business customers need from their multi-gigabit networking solutions.

 <p>10G Fiber with 25G Fiber Uplink</p> <ul style="list-style-type: none"> • 26x 10G SFP+ & 6x 25G SFP28 Slots • L3 Features • Stacking, OSPF, VRRP, ERPS, and Redundant Power Supply • Built for the Core Layer 	 <p>Full 10G Fiber</p> <ul style="list-style-type: none"> • Up to 32/16/8x 10G SFP+ Ports • L2+ Features • Built for the Aggregation Layers 	 <p>10G Copper with 10G Fiber Uplink</p> <ul style="list-style-type: none"> • 4/24x 10GE PoE++ and 2/8x 10G SFP+ Ports • 802.3af/at/bt PoE++ • Up to 770W PoE Budget • L2+ Features • Designed for Connecting Wi-Fi 7/6 Access Points with 10G Ports, 10G NAS, and More. 	 <p>2.5G Copper with 10G/25G Fiber Uplink</p> <ul style="list-style-type: none"> • 8/16/24/48x 2.5GE Ports • 2/4x 10G SFP+ or 4x 25G SFP28 Uplink Ports • 802.3af/at/bt PoE++ • L2+ Features • Built for Connecting Wi-Fi 7/6 Access Points with 2.5G Ports, 2.5G NAS, and More. 	 <p>Gigabit Copper with 10G Fiber Uplink</p> <ul style="list-style-type: none"> • Up to 48/24x Gigabit + 10G SFP+ Ports • Optional PoE+ and Non-PoE Switches • L2+ Features • Designed for Connecting Access Points, IP Cameras, IP Phones, Wired Devices, and More.
<p>Campus</p> <ul style="list-style-type: none"> • SX6632YF 	<p>Aggregation</p> <ul style="list-style-type: none"> • SX3032F • SX3016F • SX3008F 	<p>Access Max</p> <ul style="list-style-type: none"> • SX3832MPP • SX3832 • SX3206HPP 	<p>Access Pro</p> <ul style="list-style-type: none"> • SG3452YPP-M2 • SG3452Y-M2 • SG3428XPP-M2 • SG3218XP-M2 • SG3210XHP-M2 • SG3428X-M2 • SG3210X-M2 • SG2210XMP-M2 	<p>Agile</p> <ul style="list-style-type: none"> • ES210XPP-M2 • ES206XPP-M2 • ES210X-M2 <p>Campus</p> <ul style="list-style-type: none"> • SG6654XHP • SG6428XHP • SG5452XMPP • SG5428XMPP • SG6654X • SG6428X • SG5452X • SG5428X <p>Access Plus</p> <ul style="list-style-type: none"> • SG3452XMPP • SG3452XP • SG3428XMPP • SG3428XMP • SG3452X • SG3428X

Note: The availability and arrival time of Omada multi-gigabit switches may vary by country/region. Please refer to your local Omada website for details.

Easily Build a Whole Multi-Gigabit Network with Centralized Cloud Management

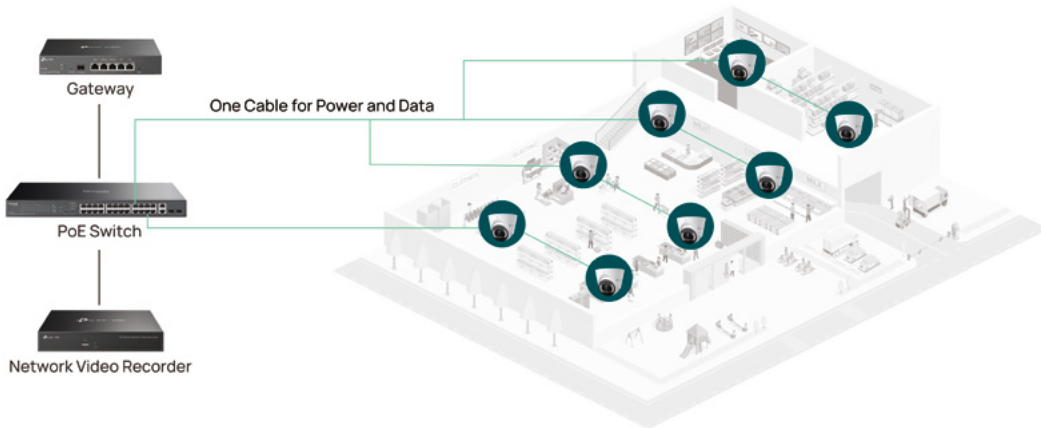


Omada PoE Switches with Free Cloud Management for Surveillance

- Full PoE Switch Portfolio from Easy Managed to L3 Managed
- Up to 1,440W PoE Budget
- Abundant Features Designed for Surveillance
- Omada Cloud Essentials for Free Cloud Management



For general surveillance, Omada has designed a variety of PoE Switches to meet the requirements of most IPCs. Many robust features like Extend Mode, Priority Mode, and Isolation Mode provide value well beyond basic networking needs, creating a versatile and reliable surveillance network to grow your business. Build your network and connect all your cameras and Network Video Recorders (NVRs) through the Omada PoE switches.



Why Choose Omada PoE Switches

Full PoE Switch Portfolio

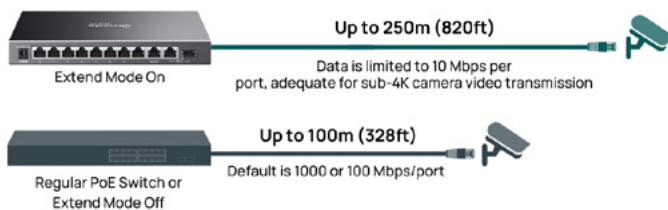
Campus, Access, and Agile PoE switches with 4/8/16/24/48-Port PoE.

Total PoE Budget up to 1,440W

Supports up to 90W, 60W PoE+, or 30W PoE+ per port, compatible with 802.3bt/at/af PoE and non-PoE cameras.

Abundant Features Designed for Surveillance

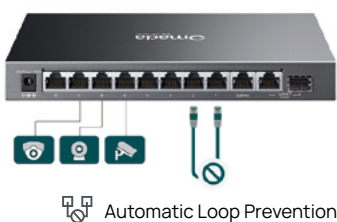
Extend Mode for up to 820ft (250m) PoE Transmission*



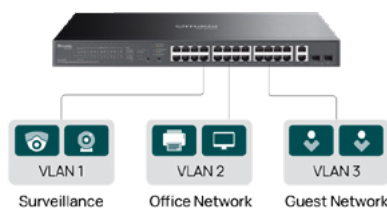
Port Isolation for Safer Camera Networking



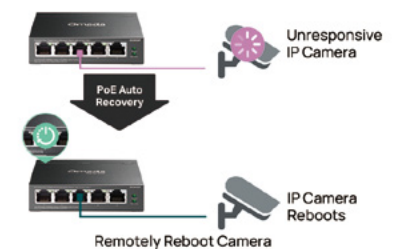
Auto Loop Detection Increases the Stability of Surveillance Networking



VLAN for Higher Security and More Convenient Maintenance



Optimized PoE Auto Recovery to Automatically Reboot Unresponsive Cameras



*The speed of the ports in Extend Mode will be downgraded to 10 Mbps. Actual transmission distance may vary due to cable quality.

Port Management for Remote Camera Reboot

QoS to Prioritize Video Quality

Priority Mode Prioritizes Cameras at the Cashier Counter

Cable Test to Detect Connection Quality Online for Easier Troubleshooting

Note: These features are not supported by all Omada PoE switches. Refer to the specification table for details.



- ✓ Lifetime Free Cloud Management Without Additional Fees or On-Premises Controller
- ✓ Super-Easy Setup via Your Phone Without Unboxing - Save Time & Cut Costs
- ✓ Zero-Touch Provisioning (ZTP)
- ✓ Manage and Monitor Anytime via Omada App or Web Browser
- ✓ Comprehensive Managed Portfolio: Gateways, Managed Switches & APs
- ✓ Unlimited Management Scale for Multiple Sites

Omada Campus, Aggregation, and Access Managed 4/8/16/24/48-Port PoE Switches for Surveillance

Comprehensive Manageable Features for Hybrid Surveillance Networks and Unified Communications

- ✓ Flexible Centralized Cloud Management Options - Cloud-Based, On-Premises Hardware or Software
- ✓ Full Managed PoE Switch Portfolio – Campus, and Access PoE switches with 4/8/16/24/48-Port PoE
- ✓ Up to 1,440W PoE Budget. Up to 90W per PoE++ Port
- ✓ Easily Configure Surveillance Features Like 250m PoE & Remote Camera Reboot

● Hot Buys

		Outdoor	FE Ports	GE Ports						GE Ports (Stackable L3)	
Model		SG2005P-PD (V2)	SL2428P	SG2008P (V3.3) / SG2210P (V5.3)	SG2016P (V1.3)	SG2218P (V2.2)	SG2428P (V5.4)	SG3428MP (V6.3) / SG3452P (V3.4)	SG3428XMPP / SG3452XMPP	SG6428XHP	SG6654XHP
Ports & PoE	PoE+ Ports	4x GE	24x FE	4/8x GE	8x GE	16x GE	24x GE	24/48x GE	8x GE PoE++, 16/40x GE PoE+	24x GE	48x GE
	Non-PoE Ports	1x GE (PoE++ in)	2x GE, 2x Gigabit RJ45/SFP Combo	4x GE/2x SFP	8x GE	2x SFP	4x SFP	4x SFP	4x 10G SFP+	4x 10G SFP+	4x 10G SFP+
	Console Ports	-	-	-	-	-	-	✓	✓	✓	✓
	PoE Standards	PoE in: 802.3af/at/bt PoE out: 802.3af/at	802.3af/at	802.3af/at	802.3af/at	802.3af/at	802.3af/at	802.3af/at	802.3af/at/bt (Ports 1-8, 90W), 802.3af/at (Ports 9-24/48)	802.3af/at	802.3af/at
	PoE Budget	Up to 64W	250W	62W/61W	120W	150W	250W	384W	500W / 750W	Up to 720W*	Up to 1,440W*
	Perpetual PoE & Fast PoE	✓ (V2)	-	✓ (V3.3) / (V5.3)	✓ (V1.3)	✓ (V2.2)	✓ (V5.4)	✓ (V6.3) / (V3.4)	✓ (V1.2)	✓	✓
Hardware	Fans	Fanless	2	Fanless	Fanless	Fanless	2	2/3	3	4x Fans (Field-Replaceable and Hot-Swappable)	
	Installation	Wall / Pole Mounting	Rackmount	Desktop / Wall-Mounting			Rackmount				
	Weatherproof	IP66 (V2)	-	-	-	-	-	-	-	-	-
Software	Features for Surveillance	PoE Auto Recovery, Port Management for Remote Camera Reboot, 820ft (250m) PoE under Extend Mode, VLAN, Port Isolation, Auto Loop Detection, Cast Test, Priority Mode (Port-Based QoS), 802.1p/DSCP QoS, Customized QoS Setting									
	L2+ Features	Static Routing, LLDP-MED, STP/RSTP, IGMP Snooping, ACL, SNMP, DHCP Server									
	L3 Features	-	-	-	-	-	-	-	-	-	Stacking, VRRP, OSPF, etc.

*The L3 PoE switch comes with one power module by default, offering a PoE budget of 764W (SG6654XHP) and 402W (SG6428XHP). An additional field-replaceable redundant power supply module can be purchased separately, expanding the PoE budget to 1,440W for the SG6654XHP (with a second PSM900-AC module) and 720W for SG6428XHP (with a second PSM900-AC or PSM500-AC module).

Omada Agile Easy-Managed PoE Switches for Surveillance

At a Fair Price, Upgrade from Unmanaged to Cloud-Managed Switches for Easier Troubleshooting and Monitoring

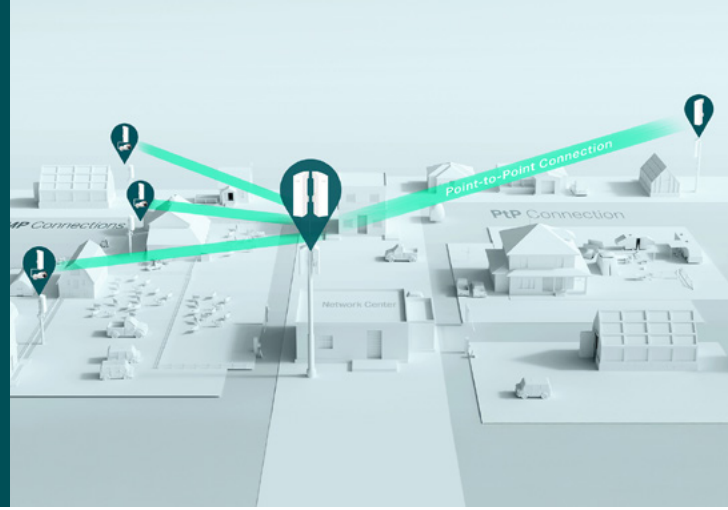
- ✓ Easy to Use with Plug-and-Play Design and Simple Configuration
- ✓ Free and Easy Centralized Cloud Management via Omada Cloud Essentials
- ✓ Remotely Access Logs and Receive Real-Time Alerts of Networks
- ✓ Easily Configure Surveillance Features Like 250m PoE & Remote Camera Reboot




		GE Ports				
Model		ES205GP	ES206GP	ES208GP	ES210GP	ES210GMP
Hardware	Gigabit PoE+ Ports	4	4	8	8	8
	Gigabit Non-PoE Ports	1× RJ45	2× RJ45	-	1× RJ45, 1× RJ45/SFP Combo	1× RJ45, 1× RJ45/SFP Combo
	PoE Standards	802.3af/at				
	PoE Budget	65 W	65 W	64 W	63 W	123 W
	Fanless	✓	✓	✓	✓	✓
	Installation	Desktop / Wall-Mounting				
Software	PoE Auto Recovery	✓	✓	✓	✓	✓
	820ft PoE under Extend Mode	✓	✓	✓	✓	✓
	Port Isolation	✓	✓	✓	✓	✓
	QoS	802.1p/DSCP QoS in Default; Priority Mode (Port-Based QoS); Customized QoS Settings				
	Other Features for Surveillance	Port Management for Remote Camera Reboot; Auto Loop Detection; VLAN; Cable Test				

		GE Ports			
Model		ES220GP	ES220GMP	ES228GP	ES228GMP
Hardware	Gigabit PoE+ Ports	16	16	24	24
	Gigabit Non-PoE Ports	2× RJ45, 2× SFP	2× RJ45, 2× SFP	2× RJ45, 2× SFP	2× RJ45, 2× SFP
	PoE Standards	802.3af/at			
	PoE Budget	150 W	250 W	250 W	384 W
	Fanless	✓	-	-	-
	Installation	Rackmount			
Software	PoE Auto Recovery	✓	✓	✓	✓
	820ft PoE under Extend Mode	✓	✓	✓	✓
	Port Isolation	✓	✓	✓	✓
	QoS	802.1p/DSCP QoS in Default; Priority Mode (Port-Based QoS); Customized QoS Settings			
	Other Features for Surveillance	Port Management for Remote Camera Reboot; Auto Loop Detection; VLAN; Cable Test			

Outdoor Long-Range Wireless PtP & PtMP Bridge Solution

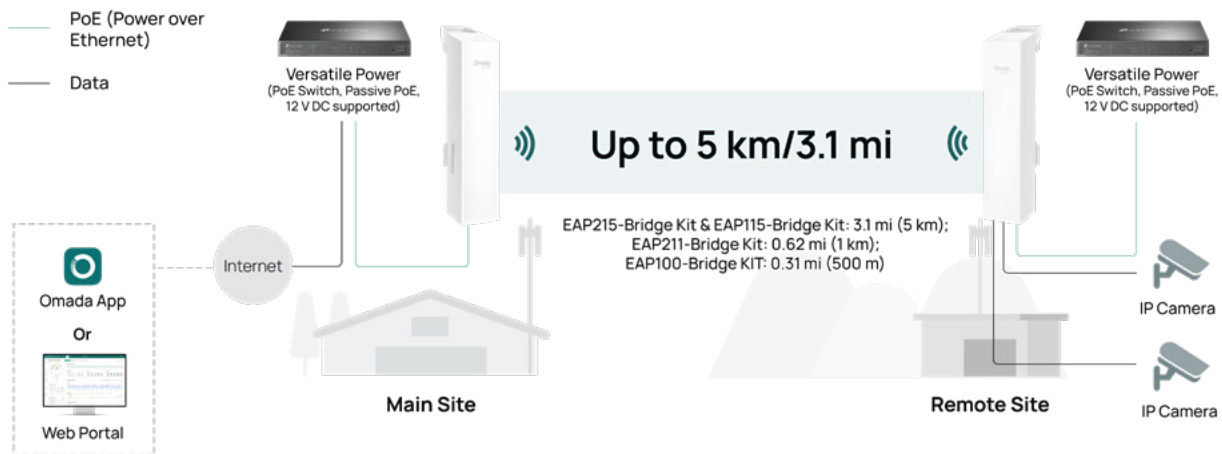
Upgraded Connectivity, Effortless Setup



- | | | | |
|---|---|---|---|
|  <p>Long-Range Stable Connectivity</p> <ul style="list-style-type: none"> • Up to 3.1 mi (5 km) Long- Range Connectivity • Enhanced Bandwidth Performance • Up to 550 Mbps with Improved Bandwidth¹ |  <p>Superior Performance</p> <ul style="list-style-type: none"> • Max 14 dBi Antenna Gain • Max 70° Beamwidth • Three Ethernet LAN Ports • 802.3af PoE/24 V Passive PoE/12 V DC |  <p>Omada SmartBridging</p> <ul style="list-style-type: none"> • Plug-and-Play Setup • Preconfigured Kit • Auto-Pairing • App-Guided Alignment • Speed Testing |  <p>Durable Enclosure for the Outdoors</p> <ul style="list-style-type: none"> • IP65 Weatherproof • 6 kV Lightning Protection • -40 °C to 70 °C (-40 °F to 158 °F) Working Range |
|---|---|---|---|

Next-Gen Performance

Stronger Signals, Faster Speeds, Reliable Performance



Equipped with Omada SmartBridging

The Most Effortless and Easy Bridge Setup Ever

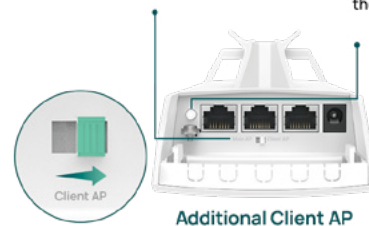


Auto-Pairing with Preconfigured Kit

Preconfigured for instant PtP auto-pairing, the bridges deliver instant connectivity right out of the box. Simply power on and go—ideal for quick deployments.

Multiple bridges auto-pairing:

- Step 1:** Switch to Client AP Mode
- Step 2:** Press the pair button to initiate auto pairing with the main AP



Simple Multi-Bridge Auto-Pairing

Effortlessly connect multiple bridges with PtMP Auto-Pairing (Supports up to 1-to-4 multi-bridge connections). Simply dial the role switch and press the pair button—no portal login needed.



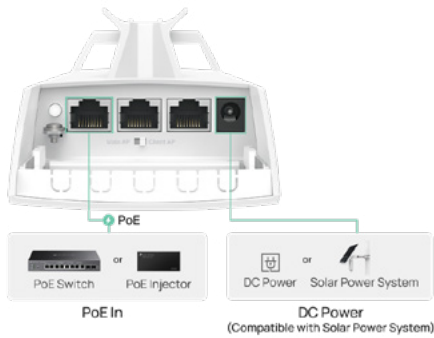
App-Guided Alignment for Long-Distance Setups

Simplify bridge alignment with real-time signal strength visualization on the Omada app, ensuring optimal connectivity for distant setups.



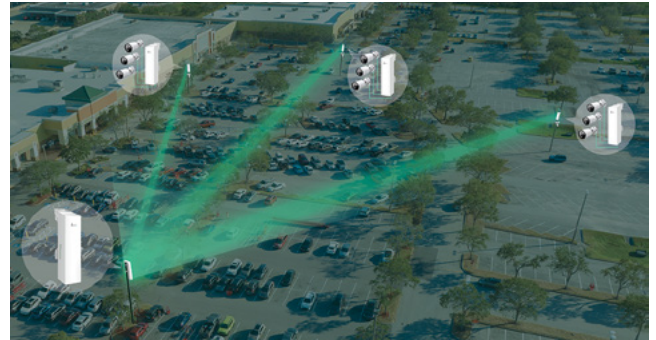
Instant Speed Testing for Installation Verification

The Omada app allows users to easily verify installations, test transmission speeds, and troubleshoot connections for optimal performance.



Flexible Power Supply for Versatile Deployments

Supports 802.3af PoE, 24 V Passive PoE, and 12 V DC for versatile deployment.



Three Ports for Multi-Device Connectivity

Three Ethernet LAN ports offer high-speed connections to more cameras and devices without an extra switch.

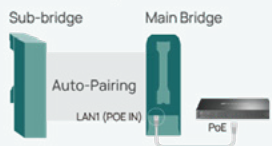
Dual Control Modes

Standalone Simplicity or Omada SDN for Batch Deployment and Remote Management

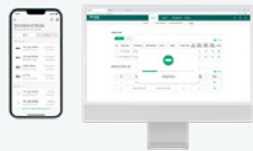
Standalone Mode

Plug and Play Setup for Individual Scenarios

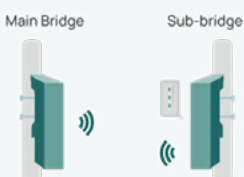
1. Power the Bridge Kit with the PoE adapter, PoE switch, or 12V DC power adapter. The Bridge Kit will connect automatically.



2. Easily connect and set up the Bridge Kit using the step-by-step guidelines in the Omada App or web portal.



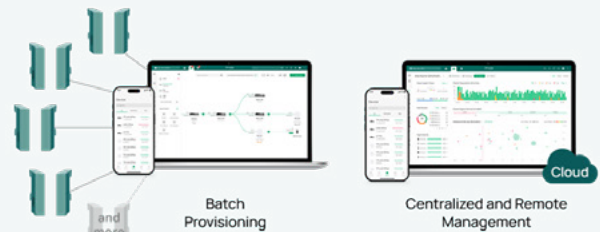
3. Deploy the Bridge Kit at the remote location, align it using the LED Signal Indicators, and optimize with the app if needed.



Works with Omada SDN

Faster Batch Deployment and Remote Management

Omada bridges integrate with Omada SDN for centralized management and remote access, enabling faster batch deployment of multiple bridge pairs, using batch provisioning.



*Omada SDN centralized and remote management requires the use of Omada SDN controller.

Outdoor Stability in Any Condition with Reduced Maintenance Costs



Empowering Surveillance with Enhanced Wi-Fi Expansion

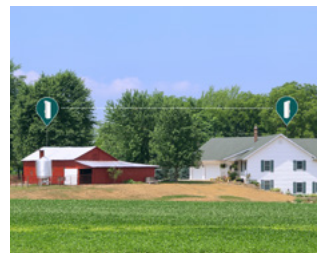
Engineered to remotely connect cameras and devices, delivering seamless and stable connectivity over vast distances. Ideal for surveillance and more.



Parking Lots



Farms / Orchards



Second Houses / Offices



Elevators

Product List

	5 GHz 867 Mbps Long-Range Indoor/Outdoor Wireless Bridge	5 GHz 867 Mbps Long-Range Indoor/Outdoor Wireless Bridge	5 GHz 300 Mbps Long-Range Indoor/Outdoor Wireless Bridge	2.4 GHz 300 Mbps Indoor/Outdoor Wireless Bridge
Product Picture				
Model	EAP215-Bridge KIT (V3)	EAP211-Bridge KIT (V3)	EAP115-Bridge KIT (V3)	EAP100-Bridge KIT
Max Transmission Distance ^a	3.1 mi/5 km	0.62 mi/1 km	3.1 mi/5 km	0.31 mi/500 m
Beamwidth	Horizontal: 43°, Vertical: 18°	Horizontal: 60°, Vertical: 30°	Horizontal: 43°, Vertical: 18°	Horizontal: 70°, Vertical: 70°
Antenna Gain	5 GHz: 14.0 dBi	5 GHz: 10.0 dBi	5 GHz: 14.0 dBi	2.4 GHz: 8.0 dBi
Wi-Fi Transmission	Point-to-Point (PtP) & Point-to-Multipoint (PtMP)			
Ethernet Ports	3x Gigabit		3x 10/100 Mbps	
Power Supply Method	802.3af PoE/24 V Passive PoE/12 V DC			802.3af PoE/24V Passive PoE or 48V Passive PoE/12 V DC
Mount	Pole Mounting (Accessories Included) / Wall Mounting (Optional)			
Weatherproof Enclosure	IP65			
Operating Temperature	-40 °C ~ 70 °C (-40 °F ~ 158 °F)			
Lightning Protection	6 kV			
Standalone Management	Omada App; Local Management Web UI			
Centralized Cloud Management	Omada App; Omada Cloud Web UI			

^aTested in an open area without obstacles on a sunny day. Actual range and throughput depend on the transmission power and environmental factors such as wireless interference, obstacles, weather, etc.

Omada Outdoor 5G – Reliable High-Speed 5G Internet Access

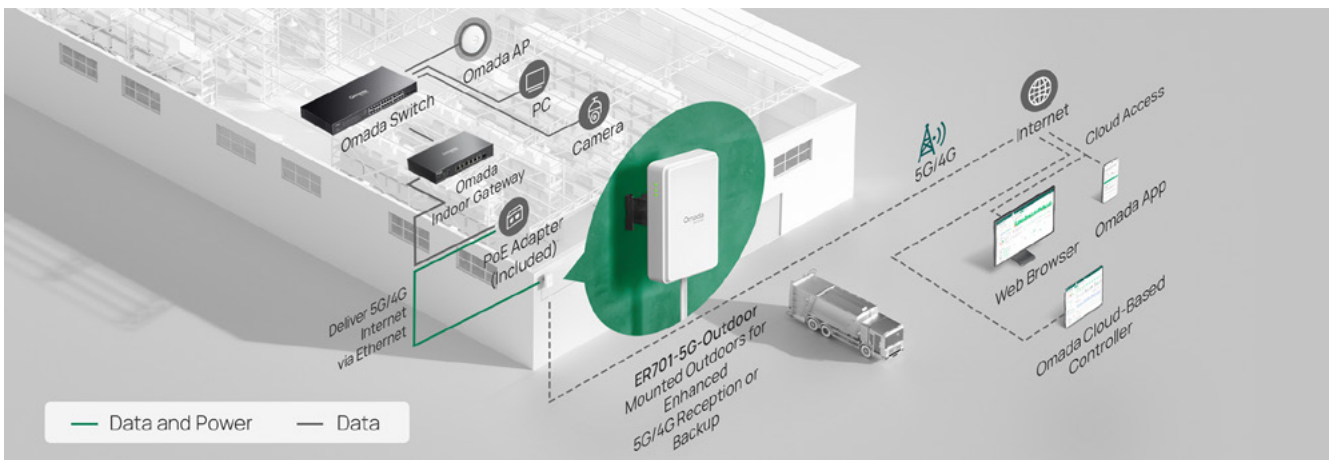
Built to Go Where Wired Broadband Can't

ER701-5G-Outdoor

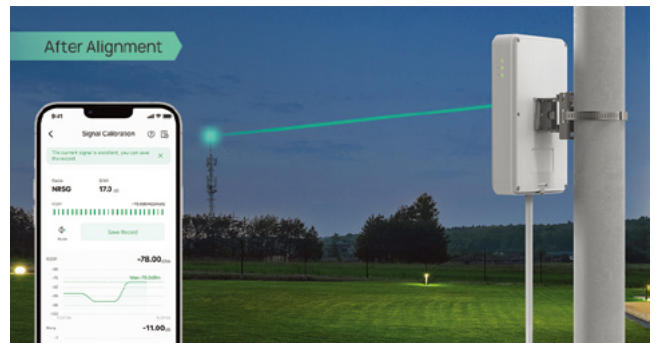
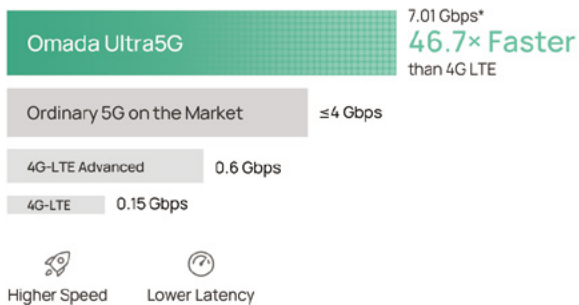
Note: The availability and arrival time of Omada Outdoor 5G may vary by country/region. Please refer to your local Omada website for details.



Delivering blazing-fast, reliable 5G, the Omada ER701-5G-Outdoor brings instant connectivity to areas where wired broadband isn't practical. It serves as either primary 5G/4G broadband access or an internet backup for indoor gateways. Perfect for remote deployments, temporary sites, and hard-to-wire facilities.

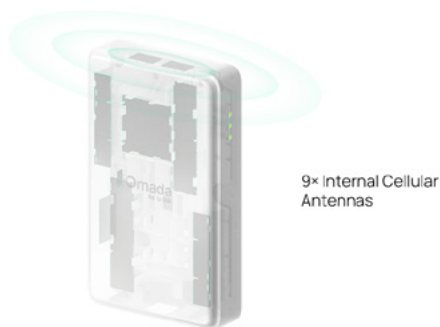


Omada Ultra5G technology: Engineered for Superior 5G Connectivity

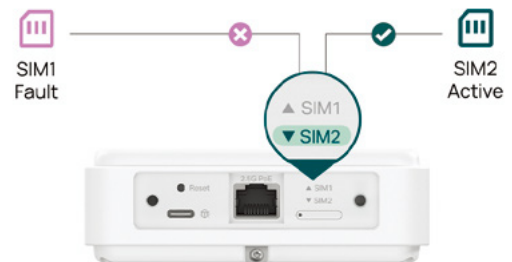


Up to 7.01 Gbps – 46.7× faster than 4G LTE

Effortless App-Guided Antenna Alignment for Peak 5G Performance



9× Directional Cellular Antennas Ensure Seamless 5G Coverage

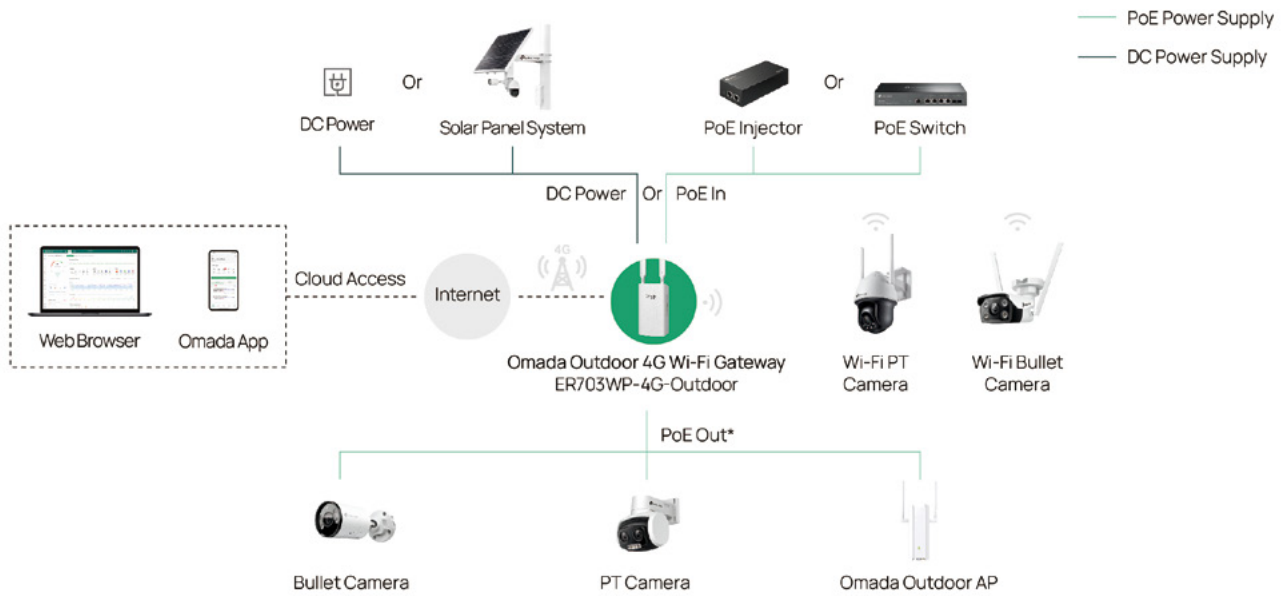


Dual SIM Failover Ensures Uninterrupted Connectivity

*7.01Gbps is the theoretical 5G download speeds. Actual 5G downlink speeds vary between buildings. Factors affecting 5G speeds include the internet service plan, real-time network capacity, equipment and client limitations, and environmental factors.

Omada Outdoor 4G Solution for Remote Locations

— Ideal for Connecting Outdoor Cameras



Ideal for Remote Areas and Outdoor Use



Villages / Villas



Camping / RVs / Parks



Temporary Stores / Food Trucks



Mines



Construction Sites







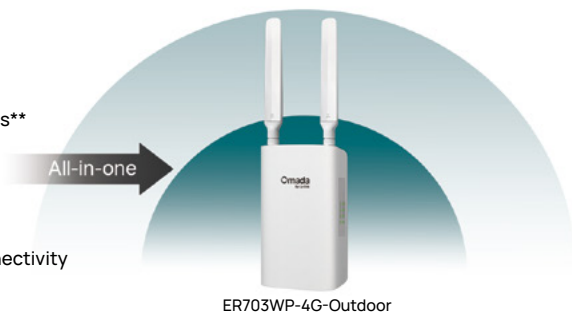
Farms / Mountains

*The PoE Out requires 802.3at/bt PoE input.

All-in-One Device

Combines 4G internet access, Wi-Fi 6 technology, and three Gigabit PoE in/out ports into a single device, ensuring seamless backup and load balancing between 4G and wired WAN. Enjoy a powerful, versatile gateway designed for easy deployment.

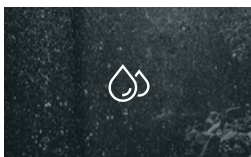
-  4G+ Cat6 up to 300 Mbps*
-  Wi-Fi 6 Speeds up to 3.0 Gbps**
-  3x Gigabit PoE In/Out Ports
-  Ethernet WAN Internet Connectivity (Auto backup between 4G)



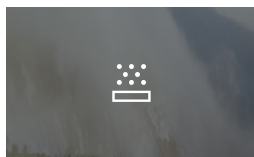
ER703WP-4G-Outdoor

Specially Designed Weatherproof Enclosure for the Outdoors

Rated as IP55 during Ingress Protection testing, a resilient weatherproof enclosure protects the gateway against harsh outdoor conditions.



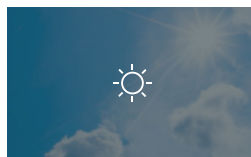
Waterproof Enclosure



No Ingress of Dust



Operating Temperature of -30 °C to 60 °C



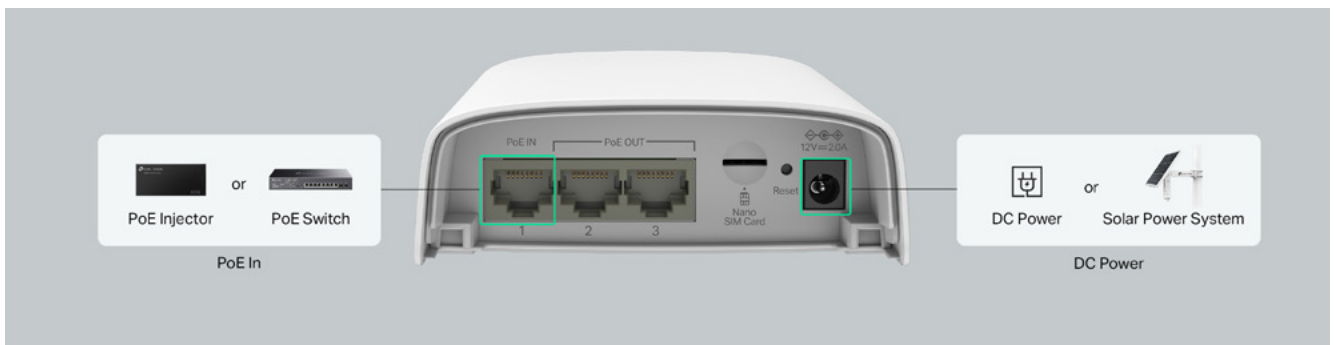
UV-Resistant Casing



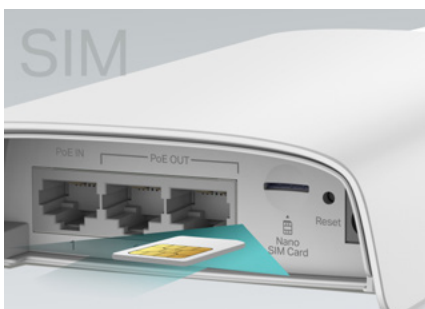
4 kV Lighting Protection***

Multiple Power Supply Options

Powered by PoE or DC (compatible with solar panels) to overcome mains access limitations.



Easy Installation and Deployment for Standalone Mode and Controller Mode



Plug and Play

Insert a Nano SIM card or connect to an Ethernet WAN Port to get gigabit Wi-Fi. Effortlessly connect to surveillance cameras via wired or wireless connections.



Centralized Management

Enables easy network setup across multiple sites without sending an engineer for on-site configuration. Remotely manage through the Omada app or web with free access to the Essentials cloud service, minimizing maintenance costs for MSPs/SIs.



Easy Installation to a Pole or Wall

Easily mount on a wall or pole using the included kits. The compact design offers flexible placement options.

*Actual 4G downlink speeds vary between buildings. Factors affecting 4G speeds include the internet service plan, real-time network capacity, equipment and client limitations, and environmental factors.

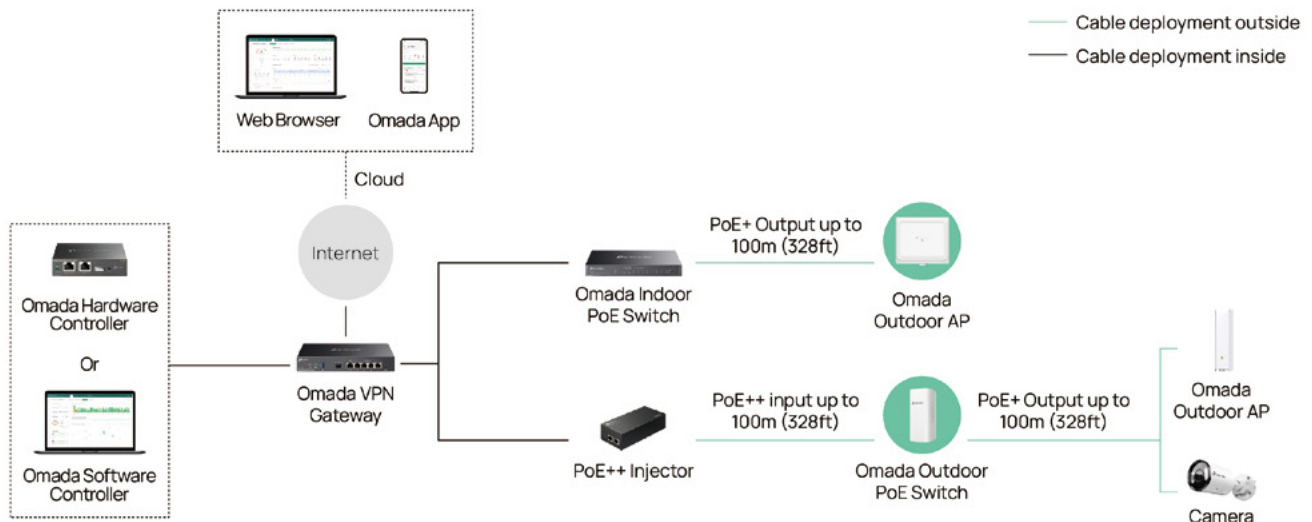
**Maximum wireless signal rates are the physical rates derived from IEEE Standard 802.11 specifications. Actual wireless data throughput and wireless coverage are not guaranteed and will vary.

***Protection against lightning 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.

Omada Outdoor Wi-Fi and PoE Switches for Outdoor Connectivity



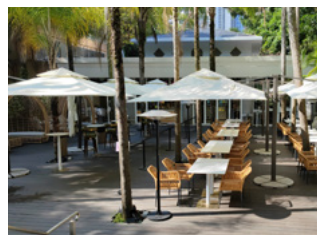
Omada provides flexible outdoor connectivity with PoE switches and access points, enabling seamless Wi-Fi for outdoor spaces and reliable PoE power for outdoor cameras.



Ideal for Outdoor Scenes



Resorts / Outdoor Swimming Pools



Outdoor Cafés / Yards / Gardens



Parks / RV Parks



Outdoor Parking Lots

Durable and Weatherproof Enclosure Designed for Outdoor Scenes

IP68 Waterproof and Dustproof Enclosure

Wide -40/-30 ~ 60°C Operating Temperature Range

Up to 6 kV Lightning Protection & ESD Protection

UV-Resistant Casing


Centralized Cloud Management—Anytime, Anywhere



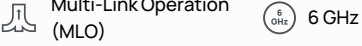
Omada Outdoor APs

Elevate Your Outdoor Wi-Fi with Superior Network Performance

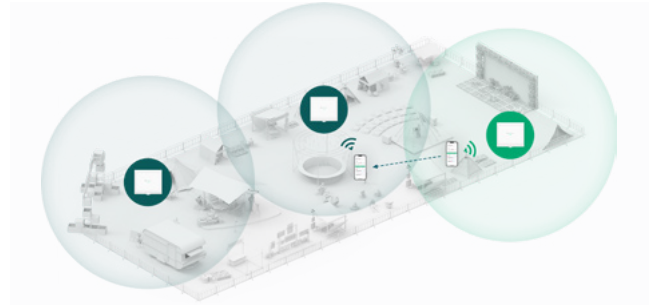
EAP772-Outdoor Speeds up to **10.8 Gbps**



Multi-Link Operation (MLO) 6 GHz

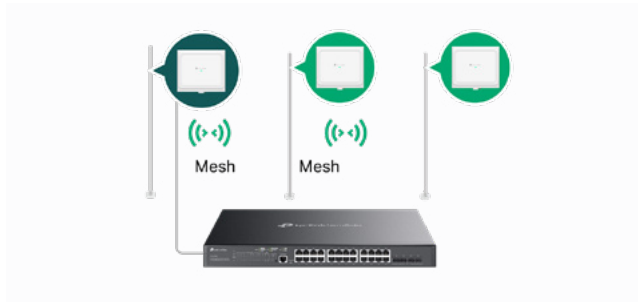


The Latest Outdoor Wi-Fi 7

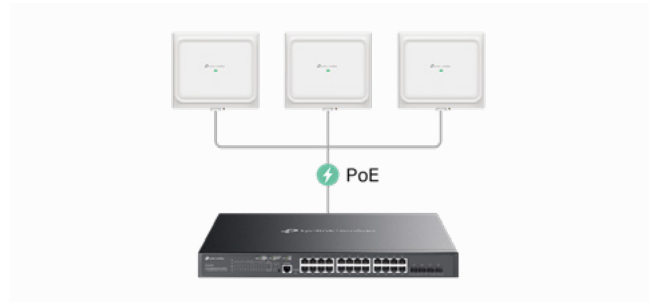


Ultra-Range Coverage & Seamless Roaming

Flexible and Easy Deployment to Save Time and Money







Less Wiring with Omada Mesh

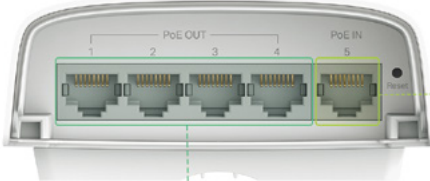


Powered with a PoE Switch

Omada Outdoor PoE Switches

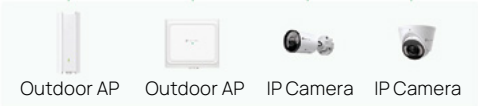
Extend Standard PoE Distance up to 656ft (200m) Without Losing Gigabit Speeds

-  Max 64W PoE Budget*
-  4x Gigabit PoE Output Ports
-  Up to 200m PoE with Gigabit Speeds
-  IP66 Weatherproof (V2)



1x Gigabit 802.3bt/at/af PoE Input; Powered by a PoE++ Switch or PoE++ Injector
*ID may vary.

4x Gigabit 802.3at/af PoE Output; Up to 30 W per Port and Max 64W in Total



Featured Omada Outdoor Access Points



EAP772-Outdoor

- BE11000 (US version) / BE9300 (EU version) Wi-Fi 7
- 4x Spatial Streams
- 802.3at PoE+
- 1x 2.5G PoE+ Port
- Mesh & Seamless Roaming
- IP68



EAP650-Outdoor

- AX3000 Wi-Fi 6 with 4x Spatial Streams
- 802.3at PoE+ & Passive PoE (Adapter Included)
- 1x Gigabit PoE+ Port
- Mesh & Seamless Roaming
- IP68



EAP625-Outdoor HD

- AX1800 WiFi 6 with 4x Spatial Streams
- Up to 1024 Concurrent Clients
- 802.3at PoE+ & Passive PoE
- 1x Gigabit PoE+ Port
- Mesh & Seamless Roaming
- IP68

Featured Outdoor PoE Switch



SG2005P-PD (V2)


- 5x Gigabit Ports (1-Port PoE++ in, 4-Port PoE+ out)
- Max 64W PoE Budget*
- Up to 656ft (200m) PoE Distance Without Compromising Gigabit Speeds
- Centralized Cloud Management
- Static Routing, Access Control List (ACL), QoS, and VLAN
- IP66


*The PoE Budget is 64W when powered by 802.3bt Type 4 (90 W), 44W when powered by 802.3bt Type 3 (60W), 19W when powered by 802.3at, and 6W when powered by 802.3af

Complete Optical Solution with Omada GPON Access Points


Ideal for Hotels and MDUs Leveraging Fiber Connectivity



 Comprehensive Optical Solution

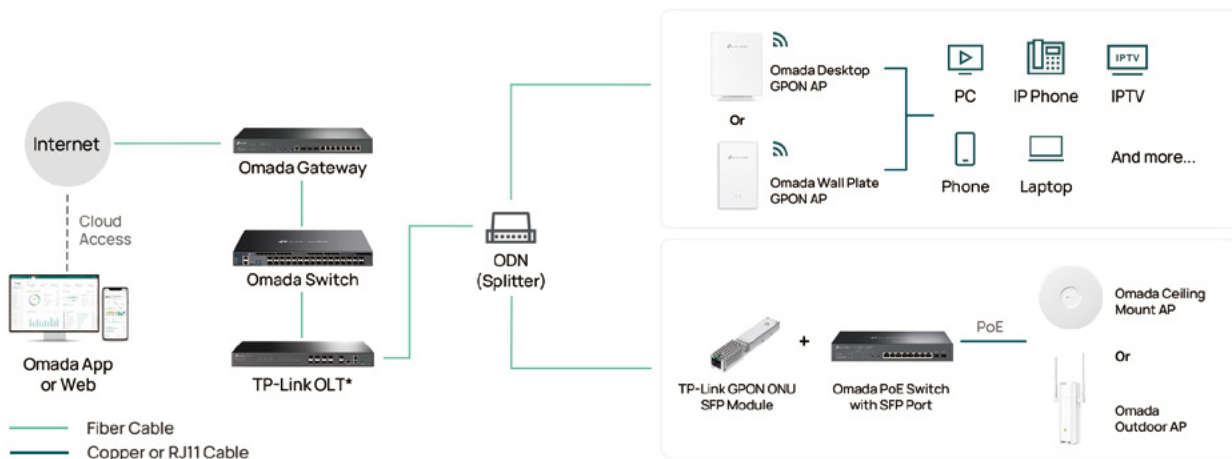
 Unified Management for OLT* and Omada Devices

 One Fiber, Multiple Services

 PPSK & Captive Portal

Complete Omada Optical Networking Solution

Provides enterprise-grade gigabit passive optical networking, featuring comprehensive GPON access points or Ethernet EAP. Seamlessly integrates key components, including Omada switches, gateways, OLTs (Optical Line Terminals), and ONUs (Optical Network Units).



*Certain TP-Link DeltaStream OLT models with certain firmwares support Omada SDN central management. Refer to the official website for compatible models.

Omada GPON Products

Omada GPON APs



EAP650GP-Desktop
Omada AX3000 Desktop Wi-Fi 6 GPON Access Point

- 2402 Mbps (5GHz) + 574 Mbps (2.4GHz)
- DC Power Supply
- 1x GPON Port
- 4x GE RJ45 Ports
- 1x FXS RJ11 Port
- Two RJ45 Ports Support 802.3af PoE Out
- Desktop/Wall-Mounting (Kits Included)
- Mesh & Seamless Roaming
- PPSK



EAP610GP-Desktop / EAP603GP-Desktop
Omada AX1800 Desktop Wi-Fi 6 GPON Access Point

- 1201 Mbps (5GHz) + 574 Mbps (2.4GHz)
- DC Power Supply
- 1x GPON Port
- 4x GE RJ45 Ports
- 1x FXS RJ11 Port
- One RJ45 Port Supports 802.3af PoE Out (EAP610GP-Desktop)
- Desktop/Wall-Mounting (Kits Included)
- Mesh & Seamless Roaming
- PPSK



EAP625GP-Wall
Omada AX1800 Wi-Fi 6 Wall Plate GPON Access Point

- 1201 Mbps (5GHz) + 574 Mbps (2.4GHz)
- AC Power Supply
- 1x GPON Port
- 2x GE RJ45 Ports (one supports PoE out)
- 1x FXS RJ11 Port
- Mesh & Seamless Roaming
- PPSK



EAP615GP-Wall
Omada AX1800 Wi-Fi 6 Wall Plate GPON Access Point

- 1201 Mbps (5GHz) + 574 Mbps (2.4GHz)
- AC Power Supply
- 1x GPON Port
- 2x GE RJ45 Ports
- 1x FXS RJ11 Port
- Mesh & Seamless Roaming
- PPSK

Note: The availability and arrival time of Omada GPON APs may vary by country/region. Please refer to your local Omada website for details.

Omada Products for Hybrid Optical Solution



ER8411
Omada VPN Gateway with 10G Ports

- 2x 10G SFP Slots (1x WAN, 1x WAN/LAN)
- 9x Gigabit WAN/LAN Ports (1x SFP, 8x RJ45)
- Up to 2,300,000 Sessions



SG2210MP
Omada Access Gigabit PoE Switches

- 2x Gigabit SFP Ports
- 8x Gigabit PoE+ RJ45 Ports
- 150W PoE Budget



EAP653
Omada Ceiling Mount Wi-Fi 6 AP

- AX3000 Wi-Fi 6 Speed
- 802.3at PoE+ & DC Power



XM60A
TP-Link GPON ONU SFP Module

- Up to 2.488 Gbps Downstream and 1.244 Gbps Upstream
- Supports 2.5G and 1G Ethernet UNI Modes

What the Omada GPON Solution Brings to Hotels and MDUs

Unified Management for OLT* and Omada Devices

Easy Adoption and Setup

Wi-Fi 6 Mesh & Seamless Roaming

Complete Product Types

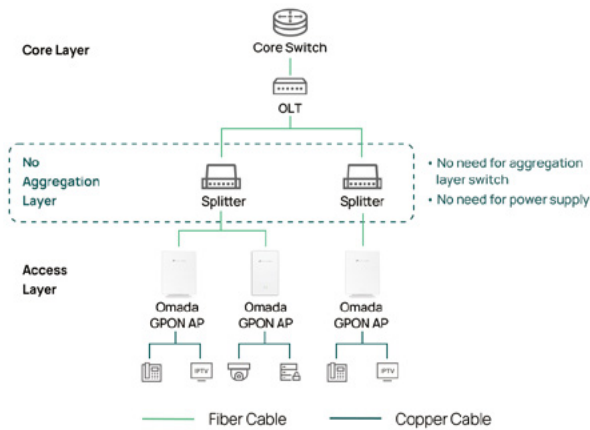
Zero-Touch Provisioning

PPSK & Captive Portal

GPON – Advanced and Simplified Structure

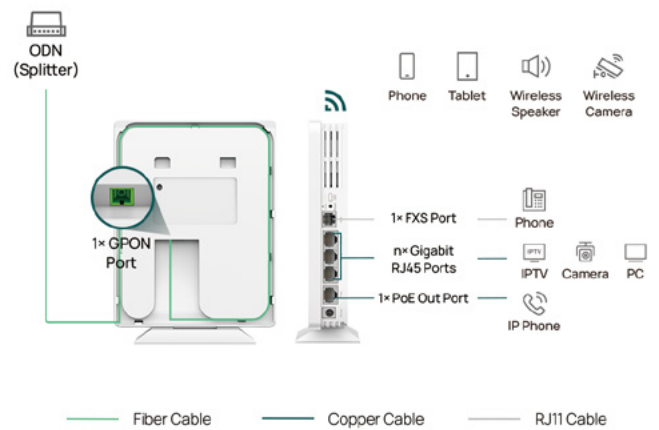
Easier Deployment

Cost-Effective



One Fiber, Multiple Services

Equipped with FXS, GPON, RJ45, and PoE Out ports, the Omada Optical Solution supports connecting a fiber optic cable to GPON APs to connect cameras, PCs, TVs, and an IP-Phone to carry data, voice, wired and wireless internet, HD video, and VoIP services.



Seamless Wi-Fi 6 Mesh Networking with Fast Roaming



*Certain TP-Link DeltaStream OLT models with certain firmwares support Omada SDN central management. Refer to the official website for compatible models

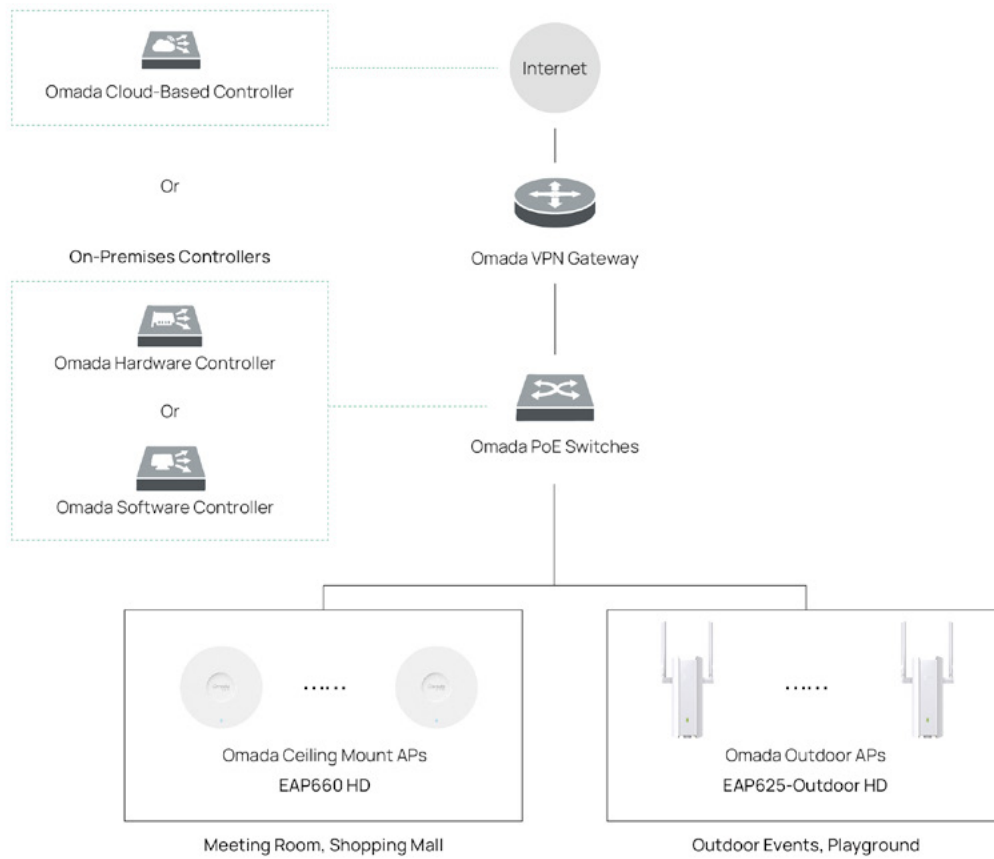
Omada Professional Wi-Fi for High-Density Environments



High-density Wi-Fi environments are locations with hundreds or even thousands of Wi-Fi clients. Common cases are meeting rooms, restaurants, shopping malls, outdoor events, and playgrounds. High-density Wi-Fi solutions will remain an important part of enterprise network upgrading for years to come.

Omada access points, an important part of the Omada Software-Defined Networking solution, provide a range of capable indoor and outdoor solutions designed to meet the increasing demands of high-density networks.

Typical Solution Topology and Product Recommendations



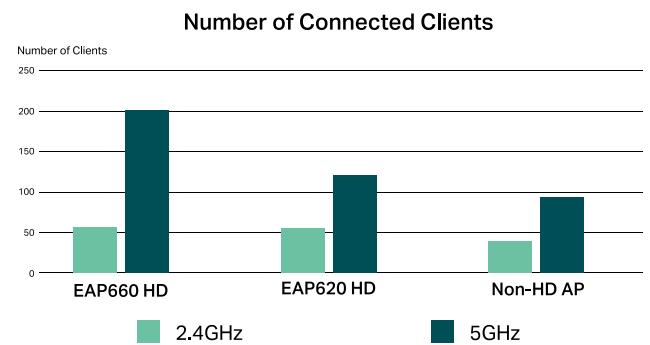
Type	Model	Wi-Fi Class	Ethernet Ports	Concurrent Clients	Main Features
Indoor	EAP660 HD	AX3600	1× 2.5G	1000+	Wi-Fi 6; Up to 3.6 Gbps Wi-Fi speed; 4×4 MIMO antennas; Mesh; Seamless roaming; Captive portal; 802.3at PoE / 12V DC power supply
	EAP620 HD	AX1800	1× 1G	1000+	Wi-Fi 6; Up to 1.8 Gbps Wi-Fi speed; Mesh; Seamless roaming; Captive portal; 802.3at PoE / 48V Passive PoE / 12V DC power supply
Outdoor	EAP668-Outdoor HD	AX3600	1× 10G SFP+, 1× 2.5G, 1× 1G	1000+	Wi-Fi 6; Up to 3.6 Gbps Wi-Fi speed; 4×4 MIMO external antennas; Gigabit 802.3at PoE+ output port; Mesh; Seamless roaming; Captive portal; IP68 weatherproof; Bluetooth; 802.3at/bt PoE power supply
	EAP625-Outdoor HD	AX1800	1× 1G	1000	Wi-Fi 6; Up to 1.8 Gbps Wi-Fi speed; Mesh; Seamless roaming; Captive portal; IP68 weatherproof; 802.3at PoE / 48V Passive PoE power supply; External antennas



Larger Capacity for High-Density Environments

Omada high-density access points improve efficiency and ensure top-tier performance for high-density locations like shopping malls, supermarkets, and restaurants. Actual testing proves that high-end Wi-Fi 6 High-Density (HD) APs can connect over two hundred clients at the same time. In reality, the maximum recommended client density depends on environmental conditions.

*Testing was conducted in the TP-Link laboratory with clients running different applications. The actual maximum client density depends on environmental conditions.



Centralized Multi-Site Management

Control the whole network in multiple sites on a single interface from anywhere with the Omada SDN platform. Cut down on your maintenance costs and vastly improve your network efficiency.

Easy Installation and Deployment

Featuring straightforward mounting and a clean, modern design, our PoE-compatible devices ensure a versatile and effortless installation process.

Automatic WLAN Optimization

Powerful wireless performance while greatly reducing Wi-Fi interference with automatic Channel Selection, Power Adjustment, Bandwidth Allocation, and Frequency Band Deployment.

Load Balancing

Balances the number of users across APs to ensure the highest possible performance for all users.

Airtime Fairness

ATF increases efficiency and capacity across the network by preventing older devices from interfering with peak usage periods.

Boost Business with a Customized Page

Captive Portal provides direct exposure to promotional information and other marketing content while securing network access for guests.

Omada Mesh Technology

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

Seamless Roaming

Ensures customers enjoy uninterrupted streaming when moving around by switching automatically to the access points with the optimal signal.

Ideal for High-Density Environment



Classroom



Restaurant



Shopping Mall



Meeting Room



Outdoor Events

Omada Stackable L3 Managed Switches

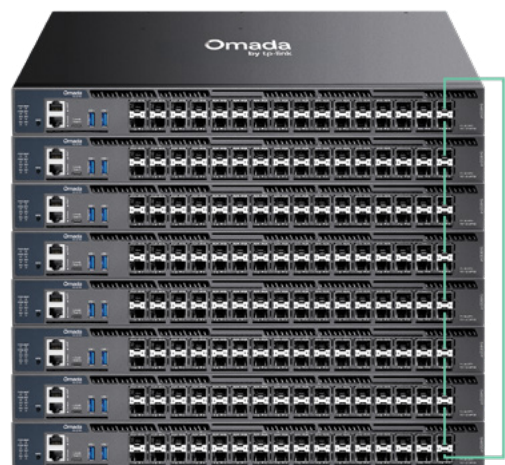
High-Performance Enterprise-Level Switches with High Reliability and Availability



- Up to 25G Connections**
 - Aggregation switch: 25G slots, 820 Gbps switching capacity per unit
 - Access switches: 10G uplink and 24 or 48 gigabit PoE or non-PoE ports
- Up to 1,440W High PoE Budget**
 - Up to 1,440W / 720W PoE budget per unit*
 - Perpetual PoE
 - Fast PoE
- Stacking, RPS, and L3 for High Availability**
 - Up to 8 units on a physical stack**
 - 1+1 Redundant Power Supply (RPS) & fans
 - L3 Features: VRRP & ERPS
- More L3 Features**
 - RIP & OSPF
 - PIM-SM/DM
 - ECMP, PBR
 - Static Routing & DHCP Server
 - OUI-Based VLAN and QoS for VLAN
- Omada SDN Centralized Management**
 - Zero-Touch Provisioning
 - Multi-Tenant Privilege Assignment
 - Batch Configuration
 - Supports Standalone mode and managing via Console port and MGMT port
- A Reliable Brand**
 - Better support with local teams
 - Vertical integration and stable supply
 - Large local inventory
 - Extended product warranty
 - A best-in-class total value

Physical Stacking for High Availability

- 1 IP**
 - With all units identified by a single IP address, the stack can be easily configured and monitored
- 8 Units**
 - Physical stacking up to 8 units in standalone mode and 4 units in controller mode
- ≤200 ms**
 - The switching link recovery time is less than 200ms when a link failover occurs
- 48× 25G**
 - Up to 48× 25G SFP28 slots and 208× 10G SFP+ slots per physical stack
Refer to SX6632YF.
- 6560 Gbps**
 - Up to 6560 Gbps switching capacity for core network
Refer to SX6632YF.



Stacking Accessories

For SX6632YF



SM6110-SR / SM6110-LR
Omada 25GBase SFP28 LC Transceiver



SM6220-1M
Omada 1 Meter 25G SFP28 Direct Attach Cable



SM5110-SR / SM5110-LR
Omada 10GBase SFP+ LC Transceiver



SM5220-1M
Omada 1 Meter 10G SFP+ Direct Attach Cable



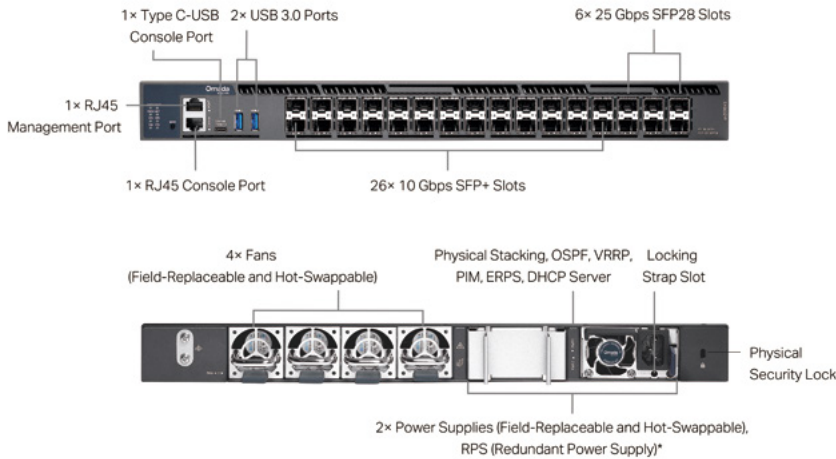
SM5220-3M
Omada 3 Meters 10G SFP+ Direct Attach Cable

Stacking Accessories

For SG6654XHP / SG6428XHP / SG6654X / SG6428X

Note: PoE model and Non-PoE model can be used together in a stack

Aggregation Layer L3 Switch: 25G, Stacking, RPS, and L3 Features



SX6632YF

- 6x 25G SFP28 slots
- 26x 10G SFP+ slots
- 820 Gbps switching capacity per unit
- Optional 1+1 Redundancy Power Supply (RPS)*
- Physical Stacking up to 8 units**

*Ships with one PSM550-AC module by default, and another field-replaceable redundant power supply PSM550-AC requires a separate purchase.

**Physical stacking up to 8 units in standalone mode and 4 units in controller mode

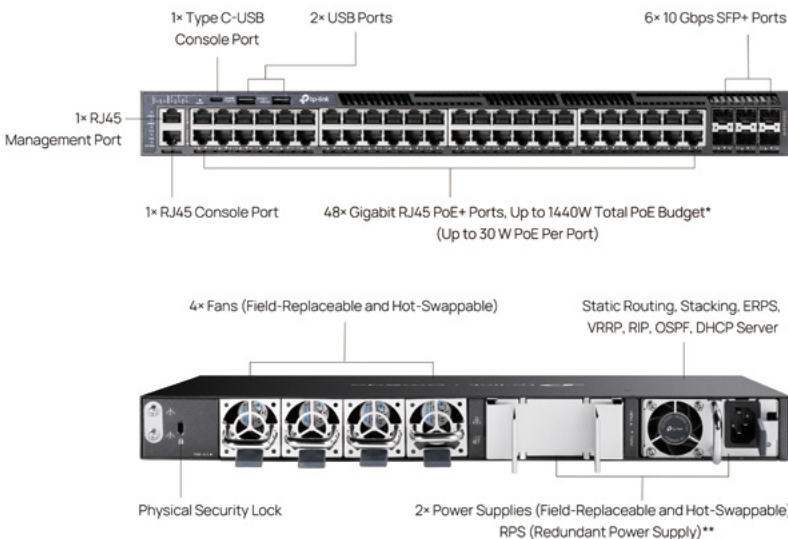


Compatible Power Supply Module

PSM550-AC

- Max 550W Power Supply

Access Layer L3 Switch: 1,440W PoE, Stacking, RPS, and L3 Features



SG6654XHP

- Up to 1,440W PoE budget*
- 48x GE PoE+ ports
- 6x 10G SFP+ slots
- Fast PoE & Perpetual PoE
- Optional 1+1 Redundancy Power Supply (RPS)*
- Physical Stacking up to 8 units**

*Ships with one PSM900-AC module by default, and the corresponding PoE budget is 764W. Another field-replaceable redundant power supply module PSM900-AC requires a separate purchase, and the corresponding PoE budget is 1,440W

**Physical stacking up to 8 units in standalone mode and 4 units in controller mode



Compatible Power Supply Module

Compatible with SG6654XHP & SG6428XHP

PSM900-AC

- Max 900W Power Supply

PSM500-AC

- Max 500W Power Supply

More Omada Access Layer L3 Switches for Reliable Networking



SG6428XHP

- 24x Gigabit RJ45 PoE+ ports
- 4x 10 Gbps SFP+ slots
- Up to 720W total PoE budget*
- Fast PoE & Perpetual PoE
- Optional 1+1 RPS*
- Physical Stacking up to 8 units**



SG6654X

- 48x Gigabit RJ45 ports
- 6x 10 Gbps SFP+ slots
- Fixed 1+1 RPS
- Physical Stacking up to 8 units**



SG6428X

- 24x Gigabit RJ45 ports
- 4x 10 Gbps SFP+ slots
- Fixed 1+1 RPS
- Physical Stacking up to 8 units**



SG5428XF

- 20x SFP slots
- 4x RJ45/SFP Combo ports
- 4x 10G SFP+ slots
- Fixed 1+1 RPS
- Physical Stacking up to 4 units



SG5452XMPP

- 8x PoE++ and 40x PoE+ Gigabit ports
- 4x 10G SFP+ slots
- Up to 770W PoE budget
- Physical Stacking up to 4 units



SG5428XMPP

- 8x PoE++ and 16x PoE+ Gigabit ports
- 4x 10G SFP+ slots
- Up to 500W PoE budget
- Physical Stacking up to 4 units



SG5452X

- 48x Gigabit RJ45 ports
- 4x 10G SFP+ slots
- Physical Stacking up to 4 units



SG5428X

- 24x Gigabit RJ45 ports
- 4x 10G SFP+ slots
- Physical Stacking up to 4 units

*Ships with one default power supply module PSM500-AC: 402W PoE Budget. One PSM900-AC or two power supply modules (PSM500-AC and PSM900-AC): 720W PoE Budget.

**Physical stacking up to 8 units at standalone mode and 4 units at controller mode

Omada Industrial Easy Managed Switches



Outdoor Parking Lots



Industrial Automation Control Systems



Constructions



Transportation Systems

Designed for a wide range of industrial applications, these industrial Ethernet switches deliver industrial-grade reliability, effortless configuration, and easy management, ensuring dependable performance even in harsh environments.



Omada Cloud Centralized Management



Industrial-grade Aluminum Alloy



Operates in Hot & Cold Conditions (-40 - 75 °C)



Up to 240W PoE Budget



DIN/Wall-mounting with Shock and Vibration Resistance







IP40-rated Protection



Easily Configure Surveillance Features Like 250m PoE and Remote Camera Reboot









1+1 Redundant Power Input

	Gigabit PoE		Gigabit Non-PoE	
Product Picture				
Model	IES210GPP	IES206GPP	IES208G	IES206G
PoE Ports	8× GE RJ45 Ports	4× GE RJ45 Ports	-	-
Non-PoE Ports	2× Gigabit Combo RJ45/SFP Ports	1× Gigabit Combo RJ45/SFP Port, 1× SFP	6× GE RJ45 Ports, 2× Gigabit Combo RJ45/SFP Ports	4× GE RJ45 Ports, 1× Gigabit Combo RJ45/SFP Port, 1× SFP
PoE Standards	802.3af/at/bt type 3 (Ports 1-2, up to 60W PoE per port), 802.3af/at (Ports 3-8)	802.3af/at/bt type 3 (Port 1, up to 60W PoE per Port), 802.3af/at (Ports 2-4)	-	-
PoE Power Budget	60 W (Input: 12-20 V) 120 W (Input: 21-45 V) 240 W (Input: 46-57 V)	60 W (Input: 12-20 V) 120 W (Input: 21-57 V)	-	-
Casing	Metal			
Installation	DIN/Wall-mounting	DIN/Wall-mounting	DIN/Wall-mounting	DIN/Wall-mounting
IP Rating	IP40	IP40	IP40	IP40
Switching Capacity	20 Gbps	12 Gbps	16 Gbps	12 Gbps
Power Connection	2× terminal blocks (does not support circular DC jack)	2× terminal blocks (does not support circular DC jack)	2× terminal blocks (does not support circular DC jack)	2× terminal blocks (does not support circular DC jack)
Operating Voltage	12-57 VDC	12-57 VDC	9.6-60 VDC	9.6-60 VDC
Operating Temperature	-40 ~ 75 °C	-40 ~ 75 °C	-40 ~ 75 °C	-40 ~ 75 °C
Management	Omada Cloud Centralized Management, Standalone Management			
Software Features	8021p/DSCP QoS, IGMP Snooping, MTU/Port/Tag VLAN, Loop Prevention, Link Aggregation, Network Monitoring, Rate Limit, Storm Control			

Product Specifications

Omada Controllers

Models	Cloud-Based Controller		On-Premises Controller				
	Essentials version	Standard version	Software	OC220	OC300	OC400	
Product Picture							
Pricing	Free	Device License Fee	Free, but Requires Constant PC/ Server Operation; Free Cloud Access	Hardware Cost for Every Site; Free Cloud Access			
Characteristics	<ul style="list-style-type: none"> • Easy Setup, Use, and Maintenance • Essential Features Without the Complexity Required by Larger-Scale Operations 	<ul style="list-style-type: none"> • Advanced Functions for Professional and Comprehensive Network Settings 	<ul style="list-style-type: none"> • No Hardware Investment • Flexible On-Premises and Cloud Management 	<ul style="list-style-type: none"> • No Need to Keep Your PC Running • Flexible On-Premises and Cloud Management 			
Designed for	<ul style="list-style-type: none"> • Surveillance Networking • Hostels • Villas / Big Houses • Small Offices 	<ul style="list-style-type: none"> • Medium / Large Multi-site Networks • Hotels, Schools, Retail, MDUs, Medium to Large Offices 	<ul style="list-style-type: none"> • Medium/Large Local Networks • Hotels, Schools, Retail, MDUs, Medium to Large Offices 	<ul style="list-style-type: none"> • Small/Medium Local Networks • Hotels, Retail, MDUs, Small to Medium Offices and Schools 			
Management Scale	Unlimited	Unlimited	Unlimited (Recommend ≤10,000 devices)*	≤100 APs, 10 Gateways, a maximum of 20 Omada Switches, and a maximum of 2 certain DeltaStream GPON OLTs [†]	≤500 APs, 100 Gateways, a maximum of 100 Switches, and a maximum of 5 certain DeltaStream GPON OLTs [†]	≤1000 APs, 100 Gateways, a maximum of 200 Omada Switches, and a maximum of 10 certain DeltaStream GPON OLTs [†]	
Manageable Devices	Omada Access Points, Campus / Aggregation / Access / Agile Easy Managed Switches, and Gateways [‡]						
Zero-Touch Provisioning	✓	✓	✓	✓	✓	✓	
SD-WAN	✓	✓	✓	✓	✓	✓	
System Management	MSP Mode for Multi-Customer Management	-	✓	✓	-	-	
	Multi-User Privilege Assignment	✓**	✓	✓	✓	✓	
	Site Map	✓	✓	✓	✓	✓	✓
	Automatic WLAN Optimization	-	Automatic Channel Selection, Power Adjustment, Bandwidth Allocation, and Frequency Band Deployment.				
	Single Sign-On (SSO)	-	✓	✓	-	✓	✓
	Multi-Site Management	✓	✓	✓	✓	✓	✓
	Batch Configuration	✓	✓	✓	✓	✓	✓
	Wi-Fi Heatmap Simulator	-	✓	✓	✓	✓	✓
	Site & Device Template	-	✓	✓	✓	✓	✓
Maintenance	Topology	✓	✓	✓	✓	✓	
	Troubleshooting Tools	SSH / Network Check / Terminal	SSH / Network Check / Terminal / Packet Capture				
	Logs / Alerts	Basic	Advanced				
	Audit Logs	-	✓	✓	✓	✓	✓
	Open API	-	✓	✓	✓	✓	✓
Security	Port Isolation	✓	✓	✓	✓	✓	
	Portal Authentication	Simple Password / Voucher / Form Auth / External Portal Server	Simple Password / Voucher / Form Auth / Local User / SMS / Radius Server / External LDAP Server / External Portal Server				
	802.1X	-	✓	✓	✓	✓	
	IDS/IPS	-	✓	✓	✓	✓	
	DPI (Deep Packet Inspection)	-	✓	✓	✓	✓	
	CLI	-	✓	✓	✓	✓	
Configuration	VLAN	✓	✓	✓	✓	✓	
	Port Management	✓	✓	✓	✓	✓	
	PPSK	-	✓	✓	✓	✓	
	VPN	WireGuard VPN	L2TP / PPTP / SSL / OpenVPN / IPSec / WireGuard VPN				
	Fast Roaming & Mesh	✓	✓	✓	✓	✓	
Surveillance	Cross-Site Live View & Playback, Camera Offline Alarm, Remote Camera Reboot, Custom Camera View Grid, Event Notifications and Custom Alerts						
Hardware Design	Interface	-	-	-	1× USB 2.0 Port; 1× Micro USB Port; 2× Gigabit Ethernet Ports	2× Gigabit Ethernet Ports; 1× USB 3.0 Port	2× 10G SFP+ Ports; 4× Gigabit Ethernet Ports; 2× USB 3.0 Ports
	Power Supply	-	-	-	802.3af/at PoE; Micro USB (DC 5 V / Minimum 1A)	100~240 VAC; 50/60 Hz	100~240 VAC; 50/60 Hz; Redundant Power Supply
	Dimensions	-	-	-	3.9×3.9×1.0 in (100×98×25 mm)	11.6×7.1×1.7 in (294×180×44 mm)	17.3×7.1×1.7 in (440×180×44 mm)
	Installation	-	-	-	Desktop / Wall-mounting	Desktop / Rackmount	Rackmount
	Environment	-	-	-	Operating Temperature: 0 ~ 40 °C (32 ~ 104 °F); Storage Temperature: -40 ~ 70 °C (-40 ~ 158 °F); Operating Humidity: 10~90% RH non-condensing; Storage Humidity: 5~90% RH non-condensing		






*Actual management scale of the Omada Software Controller depends on the PC/server's hardware specifications

**When using Omada Cloud Essentials, all users are assigned with default network permissions. Customized permissions are not supported during configuration.

[†]The number of supported Omada switches decreases by 5 for each DeltaStream GPON OLT added. The DeltaStream GPON OLTs supported by the controller are DS-P7001-04 and DS-P7001-08.

[‡]Omada Accessories, and 3-in-1 Integrated Gateways are not supported by Omada controllers. In addition, Omada DSL Gateways, Omada GPON AP, and DeltaStream OLT are not supported by Omada Cloud Essentials.





Omada Wi-Fi 7 Ceiling Mount Access Points

		Ceiling Mount APs				
Wi-Fi Class		US: BE15000 EU: BE12000	US: BE11000 EU: BE9300		US: BE5000 EU: BE5000	US: BE5000 EU: BE3600
Product Picture						
Model		EAP787	EAP773	EAP772	EAP727	EAP723
Main Design	Spatial Streams	2+4+2	2+2+2	2+2+2	2+3	2+2
	Wi-Fi Speed (2.4 GHz)	688 Mbps	574 Mbps	688 Mbps (v2) 574 Mbps (v1)	688 Mbps	688 Mbps
	Wi-Fi Speed (5 GHz)	8647 Mbps (US version) 5765 Mbps (EU version)	4324 Mbps (US version) 2882 Mbps (EU version)	4324 Mbps (US version) 2882 Mbps (EU version)	4324 Mbps (US & EU version)	4324 Mbps (US version) 2882 Mbps (EU version)
	Wi-Fi Speed (6 GHz)	5765 Mbps	5765 Mbps	5765 Mbps	-	-
	Ethernet Ports	1×10G/2.5G	1×10G/2.5G	1×2.5G	1×2.5G	1×2.5G
	Bluetooth	✓	✓	✓	✓	✓
	Power Supply	802.3bt/at PoE or DC	802.3at PoE or DC	802.3at PoE or DC	802.3at PoE or DC	802.3at PoE or DC
	Dimensions	φ8.7×1.5 in (φ220×38.8 mm)	φ8.7×1.3 in (φ220×32.5 mm)		φ6.3×1.4 in (φ160×36.7 mm)	
	Mounting	Ceiling / Wall / Junction Box mounting (Kits Included)				
	Max Coverage	2050 ft ² (190 m ²)	1500 ft ² (140 m ²)	1500 ft ² (140 m ²)	TBD	1500 ft ² (140 m ²)
Max Concurrent Connections	510+	380+	380+	TBD	250+	
Wireless Functions	Wi-Fi 7 Technology	Multi-Link Operation (MLO), 320MHz Channel Width on 6 GHz Band, 4K-QAM, Multi-RU			Multi-Link Operation (MLO), 4K-QAM, Multi-RUs	
	Wi-Fi 6 Technology	4× Longer OFDM Symbol, OFDMA, BSS Coloring, MU-MIMO				4× Longer OFDM Symbol, OFDMA, BSS Coloring
	Dedicated RF Scanning	✓	-	-	-	-
	PPSK**	✓	✓	✓	✓	✓
	Mesh & Fast Roaming*	✓	✓	✓	✓	✓
Security	Captive Portal*	Simple Password / Voucher / Form Auth / Local User / SMS / Radius Server / External LDAP Server / External Portal Server				
	ACL	✓	✓	✓	✓	✓
	802.1X	✓	✓	✓	✓	✓
	WPA3	✓	✓	✓	✓	✓
Omada Centralized Management		Omada Cloud Web UI, Web Browser, Omada App				
Standalone Management		Web Browser, Omada App				

*These functions require the use of Omada controllers.

**If PPSK is enabled on a tri-band Wi-Fi 7 AP, the 6 GHz band is prohibited.

Omada Wi-Fi 7 Wall Plate and Outdoor Access Points











		Wall Plate APs		Outdoor APs	
Wi-Fi Class		US: BE11000 EU: BE9300	US: BE5000 EU: BE3600	US: BE11000 EU: BE9300	US: BE5000 EU: BE3600
Product Picture					
Model		EAP775-Wall	EAP725-Wall	EAP772-Outdoor	EAP725-Outdoor
Main Design	Spatial Streams	2+2+2	2+2	2+2+2	2+2
	Wi-Fi Speed (2.4 GHz)	688 Mbps	688 Mbps	688 Mbps	688 Mbps
	Wi-Fi Speed (5 GHz)	4324 Mbps (US version) 2882 Mbps (EU version)	4324 Mbps (US version) 2882 Mbps (EU version)	4324 Mbps (US version) 2882 Mbps (EU version)	4324 Mbps (US version) 2882 Mbps (EU version)
	Wi-Fi Speed (6 GHz)	5765 Mbps	-	5765 Mbps	-
	Ethernet Ports	2× 2.5G, 3× GE	2× 2.5G, 2× GE	1× 2.5G	1× 2.5G
	Bluetooth	✓	✓	✓	✓
	Power Supply	802.3bt/at PoE**	802.3bt/at PoE**	802.3at PoE	802.3at PoE
	PoE Out/Pass-through	PoE Out	PoE Pass-through	-	-
	Dimensions	6.8×3.6×1.6 in (172.9×91.2×41.3 mm)	5.6×3.4×1.6 in (143×86×40 mm)	9.1×8.2×2.7 in (230×207.5×69.7 mm)	8.2×6.3×2.2 in (208×160×55 mm)
	Mounting	<ul style="list-style-type: none"> • Surface Wall Mounting (In-Wall Cabling & On-Wall Cabling, Kits included) • Gang Outlet Box Mounting (US, Kits included) • Single Gang Outlet Box Mounting (EU, Kits Included) 	Wall Plate Mounting (Compatible with 86 mm wall junction box and Standard EU/US wall junction box, Screws Included)	Pole / Wall Mounting (Kits Included)	
	Max Coverage	TBD	600 ft ² (50 m ²)	Omni-Directional: 3200 ft ² (300 m ²)	Omni-Directional: 2.4 GHz: 200 m, 5 GHz: 300 m Directional: TBD
	Max Concurrent Connections	380+	250+	380+	TBD
	Weatherproof	-	-	IP68	IP66
Special Features	Paintable Cover Included	-	GNSS	Built-in Directional and Detachable Omnidirectional Antennas	
Wireless Functions	Wi-Fi 7 Technology	Multi-Link Operation (MLO), 320MHz Channel Width on 6 GHz Band, 4K-QAM, Multi-RUs	Multi-Link Operation (MLO), 4K-QAM, Multi-RUs	Multi-Link Operation (MLO), 320MHz Channel Width on 6 GHz Band, 4K-QAM, Multi-RUs	Multi-Link Operation (MLO), 4K-QAM, Multi-RUs
	Wi-Fi 6 Technology	4× Longer OFDM Symbol, OFDMA, BSS Coloring, MU-MIMO	4× Longer OFDM Symbol, OFDMA, BSS Coloring	4× Longer OFDM Symbol, OFDMA, BSS Coloring, MU-MIMO	4× Longer OFDM Symbol, OFDMA, BSS Coloring
	PPSK***	✓	✓	✓	✓
	Mesh & Fast Roaming*	✓	✓	✓	✓
	Repeater Mode	-	-	✓	✓
Security	Captive Portal*	Simple Password / Voucher / Form Auth / Local User / SMS / Radius Server / External LDAP Server / External Portal Server			
	ACL	✓	✓	✓	✓
	802.1X	✓	✓	✓	✓
	WPA3	✓	✓	✓	✓
Omada Centralized Management		Omada Cloud Web UI, Web Browser, Omada App			
Standalone Management		Web Browser, Omada App			

*These functions require the use of Omada controllers.

**802.3bt PoE (EAP775-Wall & EAP725-Wall) power supply is required when PoE out/pass-through of these access points is used.






***If PPSK is enabled on a tri-band Wi-Fi 7 AP, the 6 GHz band is prohibited.

Omada Wi-Fi 6 Ceiling Mount Access Points

		Ceiling Mount APs										
Wi-Fi Class		AX6000	AX5400		AX3600	AX3000			AX1800			
Product Picture												
Model		EPA683 UR	EAP673	EAP670	EAP660 HD	EAP653 UR	EAP653	EAP650	EAP620 HD	EAP613	EAP610	
Packs		1-pack	1-pack	1-pack	1-pack	1-pack	1-pack, 5-pack	1-pack	1-pack	1-pack, 5-pack	1-pack	
Main Design	Spatial Streams	4+4	2+4	2+4	4+4	2+2	2+2	2+2	2+2	2+2	2+2	
	Wi-Fi Speed (2.4 GHz)	1148 Mbps	574 Mbps	574 Mbps	1148 Mbps	574 Mbps	574 Mbps	574 Mbps	574 Mbps	574 Mbps	574 Mbps	
	Wi-Fi Speed (5 GHz)	4804 Mbps	4804 Mbps	4804 Mbps	2402 Mbps	2402 Mbps	2402 Mbps	2402 Mbps	1201 Mbps	1201 Mbps	1201 Mbps	
	Ethernet Ports	1× 2.5G	1× 2.5G	1× 2.5G	1× 2.5G	1× GE	1× GE	1× GE	1× GE	1× GE	1× GE	
	Bluetooth	✓	✓	✓	✓	✓	-	-	-	-	-	
	Power Supply	802.3at PoE or DC				802.3at PoE or 48V Passive PoE or DC				802.3af PoE or 48V Passive PoE or DC		
	DC Power Adapter in the Box	-	-	✓	✓	-	-	✓	✓	-	✓	
	Dimensions (W×D×H)	φ8.7×1.3 in (φ220×32.5 mm)				φ6.3×1.3 in (φ160×33.6 mm)						
	Mounting	Ceiling / Wall / Junction Box Mounting (Kits included)										
	Max Coverage	2000 ft ² (185 m ²)	1500 ft ² (140 m ²)	1500 ft ² (140 m ²)	2150 ft ² (200 m ²)	1500 ft ² (140 m ²)	1500 ft ² (140 m ²)	1500 ft ² (140 m ²)	1500 ft ² (140 m ²)	1250 ft ² (115 m ²)	1250 ft ² (115 m ²)	
Max Concurrent Connections	500+	250+	250+	1000+	250+	250+	250+	1000+	250+	250+		
Wireless Functions	HE160	✓	✓	✓	-	✓	✓	✓	-	-	-	
	Wi-Fi 6 Technology	1024-QAM, 4× Longer OFDM Symbol, OFDMA, BSS Coloring, MU-MIMO										
	PPSK	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Mesh & Fast Roaming*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Security	Captive Portal*	Simple Password / Voucher / Form Auth / Local User / SMS / Radius Server / External LDAP Server / External Portal Server										
	ACL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	8021X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	WPA3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Management	Omada Centralized Management	Omada Cloud Web UI, Web Browser, Omada App										
	Standalone Management	Web Browser, Omada App										








*These functions require the use of Omada controllers.

Omada Wi-Fi 5 / 4 Ceiling Mount Access Points

		Ceiling Mount APs				
		Wi-Fi 5			Wi-Fi 4	
Wi-Fi Class		AC1750	AC1350		N300	
Product Picture						
Model		EAP245	EAP225	EAP223	EAP115	EAP110
Packs		1-pack, 5-pack	1-pack	1-pack	1-pack	1-pack
Main Design	Spatial Streams	3+3	2+3	2+3	2	2
	Wi-Fi Speed (2.4 GHz)	450 Mbps	450 Mbps	450 Mbps	300 Mbps	300 Mbps
	Wi-Fi Speed (5 GHz)	1300 Mbps	867 Mbps	867 Mbps	-	-
	Ethernet Ports	2× GE	1× GE	1× GE	1× 10/100 Mbps	1× 10/100 Mbps
	Smart Antennas	-	-	-	-	-
	Bluetooth	-	-	-	-	-
	Power Supply	802.3af PoE or Passive PoE	802.3af PoE or Passive PoE	802.3af PoE or Passive PoE	802.3af PoE or DC	24V Passive PoE
	Power Adapter in the Box	Passive PoE Adapter	Passive PoE Adapter	-	DC Adapter	Passive PoE Adapter
	Dimensions	8.1 x 7.1 x 1.5 in (205.5x181x371 mm)			7.5x6.8x1.2 in (189.4x172.3x29.5 mm)	
	Mounting	Ceiling / Wall mounting (Kits included)				
	Max Coverage	1500 ft² (140 m²)	1250 ft² (115 m²)	1250 ft² (115 m²)	650 ft² (60 m²)	650 ft² (60 m²)
	Max Concurrent Connections	220+	220+	220+	100+	100+
Wireless Functions	PPSK	✓	✓	✓	✓	✓
	Mesh & Fast Roaming*	✓	✓	✓	-	-
Security	Captive Portal*	Simple Password / Voucher / Form Auth / Local User / SMS / Radius Server / External LDAP Server / External Portal Server				
	ACL	✓	✓	✓	✓	✓
	802.1X	✓	✓	✓	✓	✓
	WPA3	-	-	-	-	-
Management	Omada Centralized Management	Omada Cloud Web UI, Web Browser, Omada App			Web Browser, Omada App	
	Standalone Management	Web Browser, Omada App				










*These functions require the use of Omada controllers.

Omada Wi-Fi 6 / 5 / 4 Wall Plate Access Points

		Wi-Fi Extender	Wall Plate APs					
		Wi-Fi 6	Wi-Fi 6		Wi-Fi 6	Wi-Fi 5		Wi-Fi 4
Wi-Fi Class		AX5400	AX3000		AX1800	AC1200		N300
Product Picture								
Model		EAP673-Extender	EAP655-Wall	EAP650-Wall	EAP615-Wall	EAP235-Wall	EAP230-Wall	EAP115-Wall
Packs		1-pack	1-pack	1-pack	1-pack, 5-pack (EU)	1-pack	1-pack	1-pack
Main Design	Spatial Streams	2+4	2+2	2+2	2+2	2+2	2+2	2
	Wi-Fi Speed (2.4 GHz)	574 Mbps	574 Mbps	574 Mbps	574 Mbps	300 Mbps	300 Mbps	300 Mbps
	Wi-Fi Speed (5 GHz)	4804 Mbps	2402 Mbps	2402 Mbps	1201 Mbps	867 Mbps	867 Mbps	-
	Ethernet Ports	1× GE	4× GE	2× GE	4× GE	4× GE	2× GE	2× 10/100 Mbps
	Power Supply	100~240 VAC; 50/60 Hz (AC Plug)	802.3af/at PoE**	802.3af PoE	802.3af/at PoE**	802.3af/at PoE**	802.3af PoE	802.3af PoE
	PoE Passthrough	-	✓	-	✓	✓	-	-
	Dimensions (W×D×H) Excluding Antennas	6.3×3.1×1.5 in (160×80×37.8 mm)	5.6×3.4×1.7 in (143×86×42.6 mm)	3.4×3.4×1.7 in (86×86×42.2 mm)	5.6×3.4×0.8 in (143×86×19.7 mm)		3.4×3.4×1.2 in (86.5×86.5×30.2 mm)	
	Mounting	AC Plug	Wall Plate Mounting (Compatible with 86 mm wall junction box and Standard EU/US wall junction box, Screws included)	Wall Plate Mounting (Compatible with 86 mm wall junction box and Standard EU wall junction box, Screws included)	Wall Plate Mounting (Compatible with 86 mm wall junction box and Standard EU/US wall junction box, Kits included)	Wall Plate Mounting (Compatible with 86 mm wall junction box and Standard EU/US wall junction box, Kits included)	Wall Plate Mounting (Compatible with 86 mm wall junction box and Standard EU wall junction box, Screws included)	
	Max Coverage	1500 ft ² (140 m ²)	600 ft ² (50 m ²)	450 ft ² (40 m ²)	600 ft ² (50 m ²)	300 ft ² (25 m ²)	300 ft ² (25 m ²)	300 ft ² (25 m ²)
	Max Concurrent Connections	250+	120+	120+	120+	200+	200+	100+
Wireless Functions	HE160	✓	✓	✓	-	-	-	-
	Wi-Fi 6 Technology	1024-QAM, 4× Longer OFDM Symbol, OFDMA, BSS Coloring				-	-	-
	MU-MIMO	✓	-	✓ (v2) - (v1)	✓	✓	✓	-
	Mesh*	✓	✓	✓	✓	-	-	-
	PPSK	✓	✓	✓	✓	✓	✓	✓
	Fast Roaming*	✓	✓	✓	✓	-	-	✓
Security	Captive Portal*	Simple Password / Voucher / Form Auth / Local User / SMS / Radius Server / External LDAP Server / External Portal Server						
	ACL	✓	✓	✓	✓	✓	✓	✓
	802.1X	✓	✓	✓	✓	✓	✓	✓
	WPA3	✓	✓	✓	✓	-		
Management	Omada Centralized Management	Omada Cloud Web UI, Web Browser, Omada App					Web Browser, Omada App	
	Standalone Management	Web Browser, Omada App						







*These functions require the use of Omada controllers.

Omada Wi-Fi 6 / 5 / 4 Outdoor Access Points

		Outdoor APs									
		Wi-Fi 6							Wi-Fi 5	Wi-Fi 4	
Wi-Fi Class		AX3600	AX3000			AX1800			AC1200	N300	
Product Picture											
Model		EAP668-Outdoor HD	EAP650 D120-Outdoor	EAP650 D30-Outdoor [†]	EAP650-Outdoor	EAP625-Outdoor HD	EAP610-Outdoor	EAP603-Outdoor	EAP225-Outdoor	EAP110-Outdoor	
Main Design	Spatial Streams	4+4	2+2	2+2	2+2	2+2	2+2	2+2	2+2	2	
	Wi-Fi Speed (2.4 GHz)	1148 Mbps	574 Mbps	574 Mbps	574 Mbps	574 Mbps	574 Mbps	574 Mbps	300 Mbps	300 Mbps	
	Wi-Fi Speed (5 GHz)	2402 Mbps	2402 Mbps	2402 Mbps	2402 Mbps	1201 Mbps	1201 Mbps	1201 Mbps	867 Mbps	-	
	Ethernet Ports	1x 10G SFP+, 1x 2.5G 802.3at/bt PoE Input, 1x GE 802.3at PoE Output	1x GE	1x GE	1x GE	1x GE	1x GE	1x GE	1x GE	1x 10/100 Mbps	
	Bluetooth	√	√	√	-	-	-	-	-	-	
	Power Supply	802.3at/bt PoE	802.3at PoE or 48V Passive PoE			802.3at PoE or 48V Passive PoE			802.3af PoE or 24V Passive PoE	24V Passive PoE	
	Passive PoE Adapter in the Box	-	-	-	√	-	√	√	√	√	
	Dimensions (W×D×H, without antenna & mounting kit)	12.3×9.4×3.1 in (312×240×80 mm)	8.2×2.3×9.1 in (207.5×58×230 mm)	8.2×2.3×9.1 in (207.5×58×230 mm)	11.0×4.2×2.2 in (280.4×106.5×56.8 mm)	11.0×7.2×2.2 in (280.4×182.2×56.9 mm)	11.0×4.2×2.2 in (280.4×106.5×56.8 mm)	6.9×4.0×1.5 in (174.8×100.4×38.7 mm)	8.5×1.8×1.1 in (215×46×27 mm)		
	Mounting	Pole / Wall Mounting (Kits Included)									
	Max Concurrent Connections	1020+	250+	250+	250+	1020+	250+	250+	220+	100+	
	Weatherproof	IP68	IP68	IP68	IP68	IP68	IP68	IP65	IP65	IP65	
	Operating Temperature	-40 ~ 70 °C (-40 ~ 158 °F)	-30 ~ 70 °C (-22 ~ 158 °F)	-40 ~ 70 °C (-40 ~ 158 °F)	-30 ~ 70 °C (-22 ~ 158 °F)					-30 ~ 65 °C (-22 ~ 149 °F)	
	Antenna Beamwidth	Omnidirectional	120°	30°	Omnidirectional						
Special Features	External Antennas	Directional Antennas	Directional Antennas	-	External Antennas	-	External Antennas	External Antennas	External Antennas		
Wireless Functions	HE160	√	√	√	√	-	-	-	-	-	
	Wi-Fi 6 Technology	1024-QAM, 4x Longer OFDM Symbol, OFDMA, BSS Coloring, MU-MIMO							-	-	
	PPSK	√	√	√	√	√	√	√	√	√	
	Mesh & Fast Roaming*	√	√	√	√	√	√	√	√	-	
	Repeater Mode	√	√	√	√	√	√	√	√	√	
Security	Captive Portal*	Simple Password / Voucher / Form Auth / Local User / SMS / Radius Server / External LDAP Server / External Portal Server									
	ACL	√	√	√	√	√	√	√	√	√	
	802.1X	√	√	√	√	√	√	√	√	√	
	WPA3	√	√	√	√	√	√	√	-	-	
Management	Omada Centralized Management	Omada Cloud Web UI, Web Browser, Omada App								Web Browser, Omada App	
	Standalone Management	Web Browser, Omada App									

*These functions require the use of Omada controllers.

Omada Outdoor Wireless Bridges

Wi-Fi Class	Outdoor Bridges					
	Wi-Fi 5				Wi-Fi 4	
Wi-Fi Class	AC867				N300	
Product Picture						
Model	Beam Bridge 5 UR KIT	Flex Bridge 5	EAP215-Bridge KIT	EAP211-Bridge KIT	EAP115-Bridge KIT	EAP100-Bridge KIT
Max Wi-Fi Speed (5 GHz)	867 Mbps	867 Mbps	867 Mbps	867 Mbps	300 Mbps	300 Mbps
Max Wireless Distance*	9.3 mi (15 km)	3.1 mi (5 km)	3.1 mi (5 km)	0.62 mi (1 km)	3.1 mi (5 km)	0.31 mi (500 m)
Beamwidth (Horizontal x Vertical)	9° x 7°	31° x 14°	43° x 18°	60° x 30°	43° x 18°	70° x 70°
Antenna Gain	23 dBi (5 GHz)	15 dBi (5 GHz)	14 dBi (5 GHz, v3)	10 dBi (5 GHz, v3)	14 dBi (5 GHz, v3)	8 dBi (2.4 GHz)
Ethernet Ports	1x GE	3x GE	3x GE	3x GE	3x 10/100 Mbps	3x 10/100 Mbps
Power Supply	802.3af PoE or Passive PoE	802.3at PoE or Passive PoE or DC 12V	12V DC or 802.3af PoE or 24V Passive PoE	12V DC or 802.3af PoE or 24V Passive PoE	12V DC or 802.3af PoE or 24V Passive PoE	12V DC or 802.3af PoE or 24V Passive PoE or 48V Passive PoE
Power Adapter in the Box	Passive PoE Adapter Included	Passive PoE Adapter Included	Passive PoE Adapter Included (v3.2)	Passive PoE Adapter Included (v3.2)	Passive PoE Adapter Included (v3)	12V DC Power Adapter and Passive PoE Injector Included (v1.2)
PtMP & PtP Auto-Pairing	-	✓	✓	✓	✓	-
Mounting	Pole Mounting (Kits Included)	Wall / Pole Mounting (Kits Included)	Wall / Pole Mounting (Kits Included)	Wall / Pole Mounting (Kits Included)	Wall / Pole Mounting (Kits Included)	Wall / Pole Mounting (Kits Included)
Weatherproof	IP65	IP66	IP65	IP65	IP65	IP65
Dimensions (WxDxH, without mounting kit)	14.4x11x8.1 in (366x280x207 mm)	8.4x4.7x1.7 in (215x120x43.5 mm)	3.1x2.4x10.9 in (79x60x276 mm)	3.1x2.4x8.8 in (79x60x224 mm)	3.1x2.4x10.9 in (79x60x276 mm)	3.1x2.4x8.8 in (79x60x224 mm)
Operating Temperature	-40 ~ 70 °C (-40 ~ 158 °F)	-40 ~ 70 °C (-40 ~ 158 °F)	-40 ~ 70 °C (-40 ~ 58 °F)	-40 ~ 70 °C (-40 ~ 158 °F)	-40 ~ 70 °C (-40 ~ 158 °F)	-40 ~ 70 °C (-40 ~ 158 °F)
Lightning Protection	6 kV					
Wind Resistance	✓					
Omada Centralized Management	Omada Cloud Web UI, Web Browser, Omada App					
Standalone Management	Web Browser, Omada App					

*The advertised coverage is calculated based on laboratory testing. Actual coverage is not guaranteed and will vary as a result of the performance of the equipped antennas, client limitations, and environmental factors.

Installation Kit for Omada Access Points



APM200

Applicable for outdoor access points, wireless bridges, CPE, Cameras, etc.

- Pole and Wall Mounting
- Enhanced stability for devices up to 11 pounds
- 150° adjustable
- Waterproof for outdoor use



APM-110

Pole and Wall Mounting Kit for EAP668-Outdoor HD

- Rotate horizontally -45° ~ +45°
- Rotate vertically -90° ~ +90°



APM-100

Pole and Wall Mounting Kit for EAP668-Outdoor HD

- Rotate horizontally -45° ~ +45°
- Rotate vertically -45° ~ +45°



APM-300

Allows the Wall Plate Access Points to be installed on desktop

- Compatible with:
- EAP615-Wall









OJB-100

Solves the problem of Wall AP's installation difficulties on walls where network cables are not pre-installed or where the concealed cable box is small

- Compatible with:
- EAP725-Wall
 - EAP655-Wall
 - EAP615-Wall

Omada Desktop Access Points and GPON Access Points

		Desktop AP	GPON Desktop APs			GPON Wall Plate APs	
		Wi-Fi 6	Wi-Fi 6			Wi-Fi 6	
Wi-Fi Class		AX3000	AX3000	AX1800	AX1800	AX1800	
Product Picture							
Model		EAP650-Desktop	EAP650GP-Desktop	EAP610GP-Desktop	EAP603GP-Desktop	EAP625GP-Wall	EAP615GP-Wall
Main Design	Spatial Streams	2+2	2+2	2+2	2+2	2+2	2+2
	Wi-Fi Speed (2.4 GHz)	574 Mbps	574 Mbps	574 Mbps	574 Mbps	574 Mbps	574 Mbps
	Wi-Fi Speed (5 GHz)	2402 Mbps	2402 Mbps	1201 Mbps	1201 Mbps	1201 Mbps	1201 Mbps
	Ports	4× GE RJ45, 1× RJ11	4× GE RJ45, 1× RJ11, 1× PON	4× GE RJ45, 1× RJ11, 1× PON	4× GE RJ45, 1× RJ11, 1× PON	2× GE RJ45, 1× RJ11, 1× PON	2× GE RJ45, 1× RJ11, 1× PON
	Power Supply	802.3af/at/bt PoE** or DC	DC			100~240 VAC; 50/60 Hz (AC Plug)	
	DC Power Adapter in the Box	✓	✓	✓	✓	-	-
	PoE Out	One RJ45 supports PoE out	Two RJ45 support 802.3af PoE Out	One RJ45 supports PoE out	-	One RJ45 supports PoE out	-
	Dimensions (W×D×H)	6.9×5.5×1.3 in (175×140×33 mm)			6.9×5.5×1.3 in (175×140×33 mm)	5.6×3.4×1.5 in (143×86×37.6 mm)	
Mounting	Desktop / Wall-Mounting (Kits Included)				Wall Plate Mounting (Kits Included)		
Wireless Functions	HE160	✓	✓	-	-	-	-
	Wi-Fi 6 Technology	1024-QAM, 4× Longer OFDM Symbol, OFDMA, BSS Coloring, MU-MIMO					
	PPSK	✓	✓	✓	✓	✓	✓
	Mesh & Fast Roaming*	✓	✓	✓	✓	✓	✓
Security	Captive Portal*	Simple Password / Voucher / Form Auth / Local User / SMS / Radius Server / External LDAP Server / External Portal Server					
	ACL	✓	✓	✓	✓	✓	✓
	8021X	✓	✓	✓	✓	✓	✓
	WPA3	✓	✓	✓	✓	✓	✓
Management	Omada Centralized Management	Omada Cloud Web UI, Web Browser, Omada App					
	Standalone Management	Web Browser, Omada App					

*These functions require the use of Omada controllers.

**PoE Out on the EAP650-Desktop requires an 802.3at/bt PoE power supply: provides 802.3at/af output with 802.3bt input and 802.3af Class 2 output with 802.3at input.

Omada Switches Overview




Omada Switch Series	L3 Managed	Aggregation	Access				Agile
			Access Max	Access Pro	Access Plus	Access	
Types	L3 Switch	L2 with Full Fiber Ports	L2 with 10G Downlink and 10G Uplink	L2 with 2.5G Downlink and 10G/25G Uplink	L2 with 1G Downlink and 10G Uplink	L2 with 1G Downlink and 1G Uplink	Easy Managed Switch
Characteristics	<ul style="list-style-type: none"> Rackmount Design with 28 to 54 Ports Up to 25G Ports L3 Features and Stacking 	<ul style="list-style-type: none"> Full SFP+ / SFP Slots, Ideal for Aggregation Layer Rackmount Design with 8 to 32 Ports 	<ul style="list-style-type: none"> Full 10G Speeds 	<ul style="list-style-type: none"> 2.5G Downlink and 10G/25G Uplink 	<ul style="list-style-type: none"> Rackmount Design with 28 or 52 Ports 	<ul style="list-style-type: none"> Gigabit Speeds Desktop, Wall mount, and Rackmount Design with 5 to 52 Ports Comprehensive Product Portfolio 	<ul style="list-style-type: none"> Easy to Use with Plug and Play Abundant Features Designed for Cameras
Ideal Scenarios	<ul style="list-style-type: none"> Medium and Large Business Hybrid Surveillance and Networking with High PoE Budget and Enhanced Stability 			<ul style="list-style-type: none"> Small and Medium Businesses Hybrid Surveillance and Network 			<ul style="list-style-type: none"> Surveillance SOHO and Prosumers
Omada Cloud Management	✓	✓	✓	✓	✓	✓	✓
Surveillance Features	QoS, 820ft PoE under Extend Mode, PoE Auto Recovery, Port Isolation, Priority Mode, Port Management for Remote Camera Reboot, Loop Detection, VLAN						
L2+ Features	Static Routing, STP/RSTP/MSTP, ACL, 802.1X, CLI, SNMP CLI Configuration, and More						-
Stacking	Physical Stacking	-	-	-	-	-	-
L3 Features	OSPF, PIM-SM/DM, VRRP, and More	-	-	-	-	-	-

Omada Stackable L3 Switches





		10G with 25G Uplink	1G with 10G Uplink (PoE)				1G with 10G Uplink (Non-PoE)						
Product Picture													
Model		SX6632YF	SG6654XHP	SG6428XHP	SG5452XMPP	SG5428XMPP	SG6654X	SG6428X	SG5452X	SG5428X	SG5428XF		
Physical Stacking		Standalone Mode: 8; Controller Mode: 4				Standalone Mode: 4; Controller Mode: 4		Standalone Mode: 8; Controller Mode: 4		Standalone Mode: 4; Controller Mode: 4			
Hardware	Gigabit RJ45 Ports	-	48, all support PoE	24, all support PoE	48, all support PoE	24, all support PoE	48	24	48	24	-		
	Gigabit SFP Slots	-	-	-	-	-	-	-	-	-	20× SFP, 4× RJ45/SFP Combo		
	10G SFP+ Slots	26	6	4	4	4	6	4	4	4	4		
	25G SFP28 Slots	6	-	-	-	-	-	-	-	-	-		
	USB Ports	2× USB 3.0	2× USB 2.0	2× USB 2.0	1× USB 2.0	1× USB 2.0	2× USB 2.0	2× USB 2.0	1× USB 2.0	1× USB 2.0	1× USB 2.0		
	Console Port	1× RJ45/Type C-USB Combo Console Port											
	Management Port	1× RJ45 Management Port				-	-	1× RJ45 Management Port		-	-	-	
	Power Supply	100-240 VAC, 50/60 Hz											
	1+1 RPS (Redundant Power Supply)	Optional 1+1 RPS (field-replaceable and hot-swappable)*				-	-	Fixed 1+1 RPS		-	-	Fixed 1+1 RPS	
	Fans	4× Fans (field-replaceable and hot-swappable)			3× Fans (fixed)		3× Fans (fixed)		4× Fans (fixed)		Fanless	Fanless	1× Fan
	Dimensions (W×D×H)	17.3×15.0×1.7 in (440×380×44 mm)	17.3×16.5×1.7 in (440×420×44 mm)		17.3×13.0×1.7 in (440×330×44 mm)		17.3×15.0×1.7 in (440×380×44 mm)		17.3×8.7×1.73 in (440×220×44 mm)				
	Installation	Rackmount (Kits Included)											
Operating Temperature	-5 °C ~ 50 °C		-5 °C ~ 45 °C				-5 °C ~ 50 °C		-5 °C ~ 45 °C				
Switching Capacity (Gbps)	820	216	128	176	128	216	128	176	128	128			
PoE	PoE Standard	-	802.3af/at		802.3af/at/bt		-	-	-	-	-		
	PoE Port	-	48× PoE+	24× PoE+	8× PoE++ (up to 90W per port), 40× PoE+		8× PoE++ (up to 90W per port), 16× PoE+		-	-	-		
	PoE Power Budget	-	Up to 1440 W*	Up to 720 W*	770 W	500 W	-	-	-	-	-		
	PoE Auto Recovery	-	✓	✓	✓	✓	-	-	-	-	-		
L3 Features	VRRP, ECMP, PIM-SM/DM, PBR	✓	✓	✓	-	-	✓	✓	-	-	-		
	Other	ERPS, RIP, OSPF, Static Routing, DHCP Server											
L2 Features		802.1Q / MAC VLAN / Protocol VLAN / GVRP / Voice VLAN, IGMP Snooping / Multicast VLAN Registration (MVR) / MLD Snooping / Fast Leave / Querier, Multicast, STP/ RSTP/MSTP, Loopback Detection, IPv6, QinQ, MAC Flapping, Rate Limit, Port Isolation, Port Mirroring, Static LAG / LACP, DHCP Snooping											
Security		DoS Defend, Access Control List, IMPB, Storm Control, Port Security, SSH & SSL, IP Source Guard, Dynamic ARP Inspection, IEEE 802.1X Authentication											
System Management	Omada Centralized Management	Omada Controller Web UI, CLI, Omada App											
	Standalone Mode	Web UI, CLI, SPAN/ RSPAN, sFlow, SNMP											

*The L3 PoE switch comes with one power module by default, offering a PoE budget of 764W (SG6654XHP) and 402W (SG6428XHP). An additional field-replaceable redundant power supply module can be purchased separately, expanding the PoE budget to 1,440W for SG6654XHP (with a second PSM900-AC module) and 720W for SG6428XHP (with a second PSM500-AC module).




Omada Power Supply Modules for L3 Managed Switches

	Power Supply Modules for L3 Managed Switches		
Product Picture			
Model	PSM500-AC	PSM900-AC	PSM550-AC
Power Input	100 V~240 V ~ 50/60 Hz 8 A	100-120 V ~ 50/60 Hz 12 A or 121-240 V ~ 50/60 Hz 10 A (vary from locations)	100 V~240 V ~ 50/60 Hz 7 A
Output Voltage	53.5 VDC	53.5 VDC	12 VDC
Max Output Current	9.35 A	16.5 A	45 A
Max Output Power	500 W	900 W	550 W
Suitable Models	SG6654XHR, SG6428XHR, S6500-48MPP6Y, S6500-24MPP4Y, S6500-48GP6XF, S6500-24GP4XF		SX6632YF, S7500-26XF6Y, S7500-48XF4C, S7500-24Y4C
Fan	✓	✓	✓
Dimensions	10.2×3.8×1.6 in (259.5×95.8×40.1 mm)	10.2×3.8×1.6 in (259.5×95.8×40.1 mm)	8.9×6.5×1.6 in (226×76.5×40 mm)
Operating Temperature	0 ~ 45 °C (32 ~ 113 °F)		

Omada Aggregation Switches









	Full Fiber Ports			
Product Picture				
Model	SX3032F	SX3016F	SX3008F*	SG3428XF
Gigabit SFP Slots	-	-	-	20
Gigabit RJ45/SFP Combo Ports	-	-	-	4
10G SFP+ Slots	32	16	8	4
Console Ports	1 (RJ45) + 1 (Micro-USB)	1 (RJ45) + 1 (Micro-USB)	V1: 1 (RJ45) + 1 (Micro-USB) V2: 1 (RJ45) + 1 (USB Type-C)	1 (RJ45) + 1 (Micro-USB)
Power Supply	100-240 VAC, 50/60 Hz			
RPS (Redundant Power Supply)	✓ (fixed)	✓ (fixed)	-	✓ (fixed)
Fans	2× Fans	1× Fan	-	1× Fan
Dimensions (W×D×H)	17.3×13.0×1.7 in (440×330×44 mm)	17.3×8.7×1.7 in (440×220×44 mm)	17.3×7.1×1.7 in (440×180×44 mm)	17.3×8.7×1.7 in (440×220×44 mm)
Installation (Kits Included)	Rackmount	Rackmount	Rackmount	Rackmount
Operating Temperature	-5 ~ 45 °C	-5 ~ 45 °C	-5 ~ 50 °C	-5 ~ 45 °C
Switching Capacity (Gbps)	640	320	160	128
L2+ Features	ERPS, Static Routing, QinQ, 802.1Q / MAC VLAN / Protocol VLAN / GVRP / Voice VLAN, IGMP Snooping / Multicast VLAN Registration (MVR) / MLD Snooping / Fast Leave / Querier, Multicast, STP/RSTP/MSTP, Loopback Detection, IPv6, MAC Flapping, Rate Limit, Port Isolation, Port Mirroring, Static LAG / LACP, DHCP Server, DHCP Snooping			
Security	DoS Defend, Access Control List, IP + MAC + PORT + VID Binding, Storm Control, Port Security, SSH & SSL, IP Source Guard, Dynamic ARP Inspection, IEEE 802.1X Authentication			
System Management	Omada Centralized Management	Omada Controller Web UI, CLI, Omada App		
	Standalone Mode	Web UI, CLI, SPAN/ RSPAN, sFlow, SNMP		

Omada Access Max Switches

	10G with 10G Uplink		
Product Picture			
Model	SX3832MPP	SX3832	SX3206HPP*
10G RJ45 Ports	24, all support PoE	24	4, all support PoE
10G SFP+ Slots	8	8	2
Console Ports	1 (RJ45) + 1 (USB Type-C)		
Power Supply	100-240 VAC, 50/60 Hz		
Fans	4× Fans	2× Fans	2× Fans
Dimensions (W×D×H)	17.3×13.0×1.7 in (440×330×44 mm)	17.3×8.7×1.7 in (440×220×44 mm)	11.6×7.1×1.7 in (294×180×44 mm)
Installation (Kits Included)	Rackmount	Rackmount	Rackmount / Desktop
Operating Temperature	-5 ~ 45 °C	-5 ~ 50 °C	-5 ~ 50 °C
Switching Capacity (Gbps)	640	640	120
PoE Standard	802.3af/at/bt (Type 4)	-	802.3af/at/bt (Type 4)
PoE Port	24× PoE++ (90 W/port)	-	4× PoE++ (90 W/port)
PoE PowerBudget	770 W	-	200 W
PoE AutoRecovery	✓	-	✓
L2+ Features	ERPS, Static Routing, QinQ, 802.1Q / MAC VLAN / Protocol VLAN / GVRP / Voice VLAN, IGMP Snooping / Multicast VLAN Registration (MVR) / MLD Snooping / Fast Leave / Querier, Multicast, STP/RSTP/MSTP, Loopback Detection, IPv6, MAC Flapping, Rate Limit, Port Isolation, Port Mirroring, Static LAG / LACP, DHCP Server, DHCP Snooping		
Security	DoS Defend, Access Control List, IP + MAC + PORT + VID Binding, Storm Control, Port Security, SSH & SSL, IP Source Guard, Dynamic ARP Inspection, IEEE 802.1X Authentication		
System Management	Omada Centralized Management	Omada Controller Web UI, CLI, Omada App	
	Standalone Mode	Web UI, CLI, SPAN/ RSPAN, sFlow, SNMP	


*V2.0 features a new ID.

Omada Access Pro Switches






		2.5G with 10G Uplink								
Product Picture										
Model		SG3452YPP-M2	SG3452Y-M2	SG3428XPP-M2	SG3428X-M2	SG3218XP-M2	SG3210XHP-M2	SG3210X-M2	SG2210XMP-M2	
Hardware	2.5G RJ45 Ports	48, all support PoE	48	24, all support PoE	24	V1: 16, ports 1-8 support PoE V2: 16, all support PoE	8, all support PoE	8	8, all support PoE	
	10G SFP+ Slots	-	-	4	4	2	2	2	2	
	25G SFP28 Slots	4	4	-	-	-	-	-	-	
	Console Ports	1 (RJ45) +1 (Type-C USB)			1 (RJ45) + 1 (Micro-USB)				-	
	Power Supply	100-240 VAC, 50/60 Hz							53.5 VDC	
	Fans	TBD	TBD	3× Fans	1× Fan	2× Fans	2× Fans	Fanless	Fanless	
	Dimensions (W×D×H)	17.3×13.0×1.7 in (440×330×44 mm)				17.3×7.1×1.7 in (440×180×44 mm)			11.6×7.1×1.7 in (294×180×44 mm)	8.9×5.2×1.4 in (226×131×35 mm)
	Installation (Kits Included)	Rackmount	Rackmount	Rackmount	Rackmount	Rackmount	Rackmount	Rackmount / Desktop	Desktop/Wall-Mounting	
	Operating Temperature	-5 ~ 50° (TBD)	-5 ~ 50° (TBD)	-5 ~ 40 °C	-5 ~ 40 °C	-5 ~ 50 °C	-5 ~ 50 °C	-5 ~ 50 °C	-5 ~ 50 °C	-5 ~ 40 °C
Switching Capacity (Gbps)	440	440	200	200	120	80	80	80		
PoE	PoE Standard	802.3af/at/bt (Type 4)	-	802.3af/at/bt	-	V1: 802.3af/at V2: 802.3af/at/bt (Type 4)	802.3af/at	-	802.3af/at	
	PoE Port	48× PoE++ (90 W/port)	-	V1: 8× PoE++ (60 W/port), 16× PoE+ (90 W/port) V2: 24× PoE++ (90 W/port)	-	V1: 8× PoE+ (90 W/port), 12× PoE+ (90 W/port)	8× PoE+	-	8× PoE+	
	PoE Power Budget	1200 W (TBD)	-	V1: 550 W V2: 770 W	-	240 W	240 W	-	160 W	
	PoE Auto Recovery	✓	-	✓	-	✓	✓	-	✓	
L2+ Features		ERPS*, Static Routing, QinQ, 802.1Q / MAC VLAN / Protocol VLAN / GVRP / Voice VLAN, IGMP Snooping / MLD Snooping / Fast Leave / Querier, Multicast VLAN Registration (MVR), Multicast, STP/RSTP/MSTP, Loopback Detection, IPv6, MAC Flapping, Rate Limit, Port Isolation, Port Mirroring, Static LAG / LACP, DHCP Server, DHCP Snooping								
Security		DoS Defend, ACL, IP + MAC + PORT + VID Binding, Storm Control, Port Security, SSH & SSL, IP Source Guard, Dynamic ARP Inspection, IEEE 802.1X Authentication								
System Management	Omada Centralized Management	Omada Controller Web UI, CLI Template, Omada App								
	Standalone Mode	Web UI, CLI, sFlow, SNMP								

*SG2210XMP-M2 doesn't support ERPS and QinQ













Omada Access Plus Switches

		1G with 10G Uplink						
Product Picture								
Model		SG3452XMPP	SG3452XP	SG3452X	SG3428XMPP	SG3428XMP	SG3428X	
Hardware	2.5G RJ45 Ports	48, all support PoE	48, all support PoE	48	24, all support PoE	24, all support PoE	24	
	10G SFP+ Slots	4	4	4	4	4	4	
	Console Ports	1 (RJ45) + 1 (Micro-USB)					V1.3: 1 (RJ45) + 1 (Micro-USB) V1.4: 1 (RJ45) + 1 (USB Type-C)	
	Power Supply	100-240 VAC, 50/60 Hz						
	Fans	3× Fans	3× Fans	Fanless	3× Fans	2× Fans	Fanless	
	Dimensions (W×D×H)	17.3×13.0×1.7 in (440×330×44 mm)			17.3×8.7×1.7 in (440×220×44 mm)	17.3×13.0×1.7 in (440×330×44 mm)		17.3×7.1×1.7 in (440×180×44 mm)
	Installation (Kits Included)	Rackmount	Rackmount	Rackmount	Rackmount	Rackmount	Rackmount	
	Operating Temperature	-5 ~ 40 °C	-5 ~ 40 °C	-5 ~ 45 °C	-5 ~ 40 °C	-5 ~ 45 °C	-5 ~ 45 °C	
	Switching Capacity (Gbps)	176	176	176	128	128	128	
PoE	PoE Standard	802.3af/at/bt (Type 4)		802.3af/at	-	802.3af/at/bt (Type 4)	802.3af/at	-
	PoE Port	8× PoE++ (90 W/port), 40× PoE+		48× PoE+	-	8× PoE++ (90 W/port), 16× PoE+	24× PoE+	-
	PoE Power Budget	750 W		500 W	-	500 W	384 W	-
	PoE Auto Recovery	✓		✓	-	✓	✓	-
L2+ Features		ERPS, Static Routing, QinQ, 802.1Q / MAC VLAN / Protocol VLAN / GVRP / Voice VLAN, IGMP Snooping / MLD Snooping / Fast Leave / Querier, Multicast VLAN Registration (MVR), Multicast, STP/RSTP/MSTP, Loopback Detection, IPv6, MAC Flapping, Rate Limit, Port Isolation, Port Mirroring, Static LAG / LACP, DHCP Server, DHCP Snooping						
Security		DoS Defend, ACL, IP + MAC + PORT + VID Binding, Storm Control, Port Security, SSH & SSL, IP Source Guard, Dynamic ARP Inspection, IEEE 802.1X Authentication						
System Management	Omada Centralized Management	Omada Controller Web UI, CLI Template, Omada App						
	Standalone Mode	Web UI, CLI, sFlow, SNMP						

Omada Access Switches












		1G				
Product Picture						
Model		SG3452P	SG3452	SG3428MP	SG3428	SG3210
Hardware	1G RJ45 Ports	48, all support PoE	48	24, all support PoE	24	8
	1G SFP Slots	4	4	4	4	2
	Console Ports	1 (RJ45)+1 (Micro-USB)		1 (RJ45)+1 (Type-C USB)		1 (RJ45)+1 (Micro USB)
	Power Supply	100-240 VAC, 50/60 Hz				
	Fans	3× Fans	Fanless	2× Fans	Fanless	Fanless
	Dimensions (W×D×H)	17.3×13.0×1.7 in (440×330×44 mm)	17.3×8.7×1.7 in (440×220×44 mm)	17.3×13.0×1.7 in (440×330×44 mm)	17.3×7.1×1.7 in (440×180×44 mm)	11.6×7.1×1.7 in (294×180×44 mm)
	Installation (Kits Included)	Rackmount	Rackmount	Rackmount	Rackmount	Rackmount/ Desktop
	Operating Temperature	-5 ~ 40 °C	-5 ~ 40 °C	-5 ~ 45 °C	-5 ~ 45 °C	-5 ~ 45 °C
PoE	PoE Standard	802.3af/at	-	802.3af/at	-	-
	PoE Port	48× PoE+	-	24× PoE+	-	-
	PoE Power Budget	384 W	-	384 W	-	-
	PoE Auto Recovery	✓	-	✓	-	-
L2+ Features	ERPS, Static Routing, QinQ, 802.1Q / MAC VLAN / Protocol VLAN / GVRP / Voice VLAN, IGMP Snooping / Multicast VLAN Registration (MVR) / MLD Snooping / Fast Leave / Querier, Multicast, STP/RSTP/MSTP, Loopback Detection, IPv6, MAC Flapping, Rate Limit, Port Isolation, Port Mirroring, Static LAG / LACP, DHCP Server, DHCP Snooping					
Security	DoS Defend, Access Control List, IP + MAC + PORT + VID Binding, Storm Control, Port Security, SSH & SSL, IP Source Guard, Dynamic ARP Inspection, IEEE 802.1X Authentication					
System Management	Omada Centralized Management	Omada Controller Web UI, CLI, Omada App				
	Standalone Mode	Web UI, CLI, SPAN/ RSPAN, sFlow, SNMP				

Omada Access Switches







		1G											1G Outdoor	
Product Picture														
Model		SG2452LP	SG2428P	SG2428LP	SG2218P	SG2218	SG2016P	SG2210MP	SG2210P	SG2008P	SG2008	SG2206MP	SG2005P-PD (v2)	
Hardware	Gigabit RJ45 Ports	48 (ports 1-32 support PoE)	24, all support PoE	24 (ports 1-16 support PoE)	16, all support PoE	16	16 (ports 1-8 support PoE)	8, all support PoE	8, all support PoE	8 (ports 1-4 support PoE)	8 (including 1 PoE in Port)	5 (ports 1-4 support PoE)	5 (ports 1-4 support PoE out)	
	Gigabit SFP Slots	4	4	4	2	2	-	2	2	-	-	1	-	
	Power Supply	100-240 VAC, 50/60 Hz					53.5 VDC / 2.43 A	100-240 VAC, 50/60 Hz	53.5 VDC / 1.31 A	53.5 VDC / 1.31 A	12 VDC/1A or PoE in	53.5 VDC / 1.31 A	PoE in	
	Fans	Fanless	2× Fans	Fanless	Fanless	Fanless	v5.20: Fanless v5.26: 1× Fan	Fanless						
	Dimensions (W×D×H)	17.3×13.0×1.7 in	17.3×8.7×1.7 in		17.3×7.1×1.7 in		11.3×4.4×1.0 in	11.6×7.1×1.7 in	8.2×5.0×1.0 in			6.2×4.0×1.0 in	7.4×4.1×1.9 in	
	Installation (Kits Included)	Rackmount					Desktop/ Wall-Mounting	Rackmount / Desktop	Desktop/Wall-Mounting			Desktop/Wall-Mounting	Pole/Wall-Mounting	
	Weatherproof	-	-	-	-	-	-	-	-	-	-	-	-	IP66
	Operating Temperature	-5 ~ 40 °C	-5 ~ 50 °C	-5 ~ 40 °C	-5 ~ 45 °C	-5 ~ 40 °C	-5 ~ 40 °C	-5 ~ 50 °C	-5 ~ 40 °C	-5 ~ 40 °C	-5 ~ 40 °C	-5 ~ 40 °C	-5 ~ 50 °C	-40 ~ 60 °C
PoE	Switching Capacity (Gbps)	104	56	56	36	36	32	20	20	16	16	12	10	
	PoE Standard	802.3af/at	802.3af/at	802.3af/at	802.3af/at	-	802.3af/at	802.3af/at	802.3af/at	802.3af/at	-	802.3af/at	802.3af/at	
	PoE Port	32× PoE+	24× PoE+	16× PoE+	16× PoE+	-	8× PoE+	8× PoE+	8× PoE+	4× PoE+	-	4× PoE+	4× PoE+ out, 1× PoE++ in	
	PoE Power Budget	230 W	250 W	150 W	150 W	-	120 W	150 W	61 W	62 W	-	63 W	Up to 64 W*	
PoE AutoRecovery	✓	✓	✓	✓	-	✓	✓	✓	✓	-	✓	✓		
L2+ Features	802.1Q / MAC VLAN / Protocol VLAN / GVRP / Voice VLAN, IGMP Snooping / Multicast VLAN Registration (MVR) / MLD Snooping / Fast Leave / Querier, Multicast, STP / RSTP / MSTP, Loopback Detection, IPv6, MAC Flapping, Rate Limit, Port Isolation, Port Mirroring, Static LAG / LACP, DHCP Server, DHCP Snooping													
Security	DoS Defend, Access Control List, IP + MAC + PORT + VID Binding, Storm Control, Port Security, SSH & SSL, IP Source Guard, Dynamic ARP Inspection, IEEE 802.1X Authentication													
System Management	Omada Centralized Management	Omada Controller Web UI, CLI, Web Browser, Omada App												
	Standalone Mode	Web UI, CLI, SPAN/ RSPAN, sFlow, SNMP												

*PoE Power Budget of SG2005P-PD: 64 W when powered by 802.3bt Type 4 (90W), 44W when powered by 802.3bt Type 3 (60W), 19 W when powered by 802.3at, and 6 W when powered by 802.3af.





Omada Agile PoE Switches

		2.5G		GE								
Product Picture												
Model		ES210XPP-M2	ES206XPP-M2	ES228GMP	ES228GP	ES220GMP	ES220GP	ES210GMP	ES210GP	ES208GP	ES206GP	ES205GP
Hardware	PoE Ports	8× 2.5G PoE++ (up to 90W per port)	4× 2.5G PoE++ (up to 90W per port)	24× GE PoE+	24× GE PoE+	16× GE PoE+	16× GE PoE+	8× GE PoE+	8× GE PoE+	8× GE PoE+	4× GE PoE+	4× GE PoE+
	Non-PoE Ports	1× 10G SFP+, 1× 10G RJ45/SFP Combo	1× 2.5G RJ45, 1× 10G SFP+	2× GE, 2× SFP	2× GE, 2× SFP	2× GE, 2× SFP	2× GE, 2× SFP	1× GE, 1× Gigabit RJ45/SFP Combo	1× GE, 1× Gigabit RJ45/SFP Combo	-	2× GE	1× GE
	PoE Standard	802.3af/at/bt (type 4)	802.3af/at/bt (type 4)	802.3af/at	802.3af/at	802.3af/at	802.3af/at	802.3af/at	802.3af/at	802.3af/at	802.3af/at	802.3af/at
	PoE Power Budget	200 W	120 W	384 W	250 W	250 W	150 W	123 W	63 W	64 W	65 W	65 W
	Fanless for Silent Operation	✓	✓	-	-	-	✓	✓	✓	✓	✓	✓
	Installation	Desktop / Wall Mounting	Desktop / Wall Mounting	Rackmount	Rackmount	Rackmount	Rackmount	Desktop / Wall Mounting	Desktop / Wall Mounting	Desktop / Wall Mounting	Desktop / Wall Mounting	Desktop / Wall Mounting
Software	Plug and Play	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Management	Omada Cloud Centralized Management, Standalone Management										
	PoE Auto Recovery	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	820ft PoE under Extend Mode	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Port Isolation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	QoS	802.1p/DSCP QoS in Default; Customized QoS Settings										
Other Features for Surveillance	Port Management for Remote Camera Reboot, Auto Loop Detection, MTU / Port-Based / 802.1Q VLAN, Cable Test											


Omada Agile Non-PoE Switches

		2.5G		GE			
Product Picture							
Model		ES210X-M2	ES206X-M2	ES224G	ES216G	ES208G	ES205G
Hardware	Ethernet Ports	8× 2.5G	5× 2.5G	24× 1G	16× 1G	8× 1G	5× 1G
	Fiber Ports	2× 10G SFP+	1× 10G SFP+	-	-	-	-
	Fanless for Silent Operation	✓	✓	✓	✓	✓	✓
	Installation	Desktop / Wall Mounting	Desktop / Wall Mounting	Rackmount / Desktop	Rackmount / Desktop	Desktop / Wall Mounting	Desktop / Wall Mounting
Software	Plug and Play	✓	✓	✓	✓	✓	✓
	Management	Omada Cloud Centralized Management, Standalone Management					
	MTU / Port-Based / 802.1Q VLAN	✓	✓	✓	✓	✓	✓
	Cable Test	✓	✓	✓	✓	✓	✓
	Auto Loop Detection	✓	✓	✓	✓	✓	✓
	Port Management	✓	✓	✓	✓	✓	✓
QoS	802.1p/DSCP QoS in Default; Customized QoS Settings						

Omada Industrial Easy Managed Switches

	Gigabit PoE		Gigabit Non-PoE	
Product Picture				
Model	IES210GPP	IES206GPP	IES208G	IES206G
PoE Ports	8× GE RJ45 Ports	4× GE RJ45 Ports	-	-
Non-PoE Ports	2× Gigabit Combo RJ45/SFP Ports	1× Gigabit Combo RJ45/SFP Port, 1× SFP	6× GE RJ45 Ports, 2× Gigabit Combo RJ45/SFP Ports	4× GE RJ45 Ports, 1× Gigabit Combo RJ45/SFP Port, 1× SFP
PoE Standards	802.3af/at/bt type 3 (Ports 1-2, up to 60W PoE per port), 802.3af/at (Ports 3-8)	802.3af/at/bt type 3 (Port 1, up to 60W PoE per Port), 802.3af/at (Ports 2-4)	-	-
PoE Power Budget	240 W	120 W	-	-
Casing	Metal			
Installation	DIN / Wall Mounting	DIN / Wall Mounting	DIN / Wall Mounting	DIN / Wall Mounting
IP Rating	IP40	IP40	IP40	IP40
Switching Capacity	20 Gbps	12 Gbps	16 Gbps	12 Gbps
Power Connection	2× terminal blocks (does not support circular DC jack)	2× terminal blocks (does not support circular DC jack)	2× terminal blocks (does not support circular DC jack)	2× terminal blocks (does not support circular DC jack)
Operating Voltage	12-57 VDC	12-57 VDC	9.6-60 VDC	9.6-60 VDC
Operating Temperature	-40 ~ 75 °C	-40 ~ 75 °C	-40 ~ 75 °C	-40 ~ 75 °C
Management	Omada Cloud Centralized Management, Standalone Management			
Software Feature	802.1p/DSCP QoS, IGMP Snooping, MTU/Port/Tag VLAN, Loop Prevention, Link Aggregation, Network Monitoring, Rate Limit, Storm Control			

Omada 3-in-1 Integrated Gateway










		3-in-1 Gateway (Integrated Controller & PoE Switch)
Product Picture		
Model	ER7212PC (v2)	
Main Design	Ports	<ul style="list-style-type: none"> • 10× GE RJ45 (1 WAN, 1 WAN/LAN, 8 PoE+ LAN) • 2× GE SFP WAN/LAN
	Number of WAN Ports	Up to 4 WAN
	USB Ports	-
	PoE	8× GE RJ45 LAN PoE+ Ports, 110 W PoE Budget
	Embedded Controller	✓
	Fanless	✓
Installation	Desktop / Wall-Mounting	
Software	Load Balancing	Multi-WAN Load Balance, Application Optimized Routing, Line Backup, Online Detection, Smart Load Balancing
	WAN Connection Type	Static/Dynamic IP, PPPoE, PPTP, L2TP, 6to4 Tunnel, Pass-Through
	Routing	Static Routing, Policy Routing
	Other	Multiple-Net DHCP, 802.1Q VLAN, IPTV, IPv6, Multiple-IP Interfaces
VPN	OpenVPN, IPSec, PPTP, L2TP, L2TP over IPSec VPN	✓
Security	Application Control via DPI	✓
	IPS/IDS	✓
	Other	Access Control List, URL/Keyword Filter, DoS Defense, ARP Inspection, MAC Filter, Content Filter
System Management	Centralized Cloud Management via Web UI or Omada App, SNMP v1/v2c/v3, Web Interface, Standalone Management	

Omada Wired & Wi-Fi Gateways

Product Picture		Wired Gateways					Wi-Fi Gateways		
Model		ER8411	ER7412-M2 (v1.2)	ER707-M2 (v1.2)	ER7406	ER7206 (v2.2)	ER605 (v2.2)	ER706W (v1.2)	ER605W (v2)
Main Design	Ports	• 2x 10G SFP+ (1 WAN, 1 WAN/LAN) • 1x GE SFP WAN/LAN • 8x GE RJ45 WAN/LAN	• 2x 2.5G RJ45 WAN/LAN • 2x GE SFP WAN/LAN • 8x GE RJ45 WAN/LAN	• 2x 2.5G RJ45 (1 WAN, 1 WAN/LAN) • 1x GE SFP WAN/LAN • 4x GE RJ45 WAN/LAN	• 5x GE RJ45 (1 WAN, 4 WAN/LAN) • 1x GE SFP WAN/LAN	• 5x GE RJ45 (1 WAN, 4 WAN/LAN) • 1x GE SFP WAN/LAN	• 5x GE RJ45 (1 WAN, 2 WAN/LAN, 2 LAN)	• 5x GE RJ45 (1 WAN, 4 WAN/LAN) • 1x GE SFP WAN/LAN	• 5x GE RJ45 (1 WAN, 2 WAN/LAN, 2 LAN)
	Multi-WAN Load Balancing	Up to 10 WAN	Up to 11 WAN	Up to 6 WAN	Up to 5 WAN	Up to 5 WAN	Up to 3 WAN	Up to 5 WAN	Up to 3 WAN
	Console Ports	1x RJ45	1x RJ45	-	-	-	-	-	-
	USB Ports	2x USB 3.0 (One Supports LTE backup)	1x USB 3.0 (Supports LTE backup)	1x USB 2.0 (Supports LTE backup)	1x USB 3.0 (Supports LTE backup)	1x USB 3.0 (Supports LTE backup)	1x USB 2.0 (Supports LTE backup)	1x USB 3.0 (Supports LTE backup)	-
	Wi-Fi	-	-	-	-	-	-	AX3000 Wi-Fi 6 (574+2402 Mbps)	AC1200 Wi-Fi 5 (300+867 Mbps)
	RPS (Redundant Power Supply)	√ (fixed)	-	-	-	-	-	-	-
Installation		Rackmount	Rackmount / Desktop	Rackmount / Desktop / Wall-Mounting	Rackmount / Desktop	Rackmount / Desktop / Wall-Mounting	Desktop / Wall-Mounting	Desktop / Wall-Mounting	Desktop / Wall-Mounting
SD-WAN		√	√	√	√	√	√	√	-
VPN	PPTP, OpenVPN	√	√	√	√	√	√	√	√
	L2TP, IPSec VPN, L2TP over IPSec VPN	√	√	√	√	√	√	√	√
	WireGuard VPN	√	√	√	√	√	√	√	√
	SSL VPN	√	√	√	√	√	-	√	-
	GRE VPN*	√	√	√	√	√	√	√	√
Security	DPI	Application Control via Deep Packet Inspection (DPI)							
	IPS/IDS	√	√	√	√	√	-	√	-
	Other	Access Control List, URL/Keyword Filter, DoS Defense, ARP Inspection, MAC Filter							
System Management		Centralized Cloud Management via Web UI or Omada App, SNMP v1/v2c/v3, Web Interface, Standalone Management							

*GRE VPN is supported under standalone mode.

Omada 4G/5G and DSL Gateways

		4G Wi-Fi Gateways		Outdoor 4G Wi-Fi Gateways		Outdoor 5G Gateways	DSL 4G Gateways	DSL 4G Wi-Fi Gateways	DSL Wi-Fi Gateways	DSL Gateways
		1G		1G		2.5G	1G			
Product Picture										
Model		ER706WP-4G	ER706W-4G (v2)	ER703WP-4G-Outdoor	ER603WP-4G-Outdoor	ER701-5G-Outdoor	DR3220v-4G	DR3650v-4G	DR3650v	DR3150
Main Design	Ports	<ul style="list-style-type: none"> • 5× GE RJ45 (1 WAN, 4 WAN/LAN PoE+) • 1× GE SFP WAN/LAN • 2× Nano SIM Card Slots 	<ul style="list-style-type: none"> • 5× GE RJ45 (1 WAN, 4 WAN/LAN) • 1× GE SFP WAN/LAN • 2× Nano SIM Card Slots 	<ul style="list-style-type: none"> • 1× GE WAN/LAN RJ45 (supports PoE in) • 2× GE WAN/LAN RJ45 (supports PoE out) • 1× Nano SIM Card Slot 	<ul style="list-style-type: none"> • 1× GE WAN/LAN RJ45 (supports PoE in) • 2× GE WAN/LAN RJ45 (supports PoE out) • 1× Nano SIM Card Slot 	<ul style="list-style-type: none"> • 1× 2.5GE LAN Port (supports PoE in) • 2× Nano SIM 	<ul style="list-style-type: none"> • 3× RJ11 (1 WAN, 2 FXS) • 1× Combo GE SFP/RJ45 • 4× GE RJ45 (1 WAN/LAN, 4 LAN) • 2× Nano SIM 	<ul style="list-style-type: none"> • 3× RJ11 (1 WAN, 2 FXS) • 5× GE RJ45 (1 WAN/LAN, 4 LAN) • 2× Nano SIM 	<ul style="list-style-type: none"> • 3× RJ11 (1 WAN, 2 FXS) • 5× GE RJ45 (1 WAN/LAN, 4 LAN) 	<ul style="list-style-type: none"> • 4× GE RJ45 (1 WAN/LAN, 3 LAN) • 1× WAN RJ11
	Multi-WAN Load Balancing	Up to 6 WAN	Up to 6 WAN	Up to 3 WAN	-	-	Up to 3 WAN	Up to 2 WAN	Up to 2 WAN	Up to 2 WAN
	USB Ports	-	-	-	-	-	1× USB 3.0	1× USB 3.0	2× USB 3.0 (One supports LTE Backup)	2× USB 2.0 (supports 4G dongle)
	Outdoor Weatherproof	-	-	IP55	IP55	IP66	-	-	-	-
	PoE Output	4× PoE+ out, total 45W PoE Budget	-	<ul style="list-style-type: none"> • 2× PoE+ out with PoE Budget: • 45W (powered by 802.3bt type 4) • 27W (powered by 802.3bt type 3) 	<ul style="list-style-type: none"> • 2× PoE out, total 52W PoE Budget • 1× PoE in 	-	-	-	-	-
	Wi-Fi	AX3000 Wi-Fi 6 (574+2402 Mbps)	AX3000 Wi-Fi 6 (574+2402 Mbps)	AX3000 Wi-Fi 6 (574+2402 Mbps)	N300 Wi-Fi 4 (300 Mbps)	-	-	AX3000 Wi-Fi 6 (574+2402 Mbps)	AX3000 Wi-Fi 6 (574+2402 Mbps)	-
	5G/4G	4G+ Cat6 300 Mbps	4G+ Cat6 300 Mbps	4G+ Cat6 300 Mbps	4G Cat4 150 Mbps	5G NR Sub-6 up to 7.01 Gbps	4G+ Cat6 300 Mbps	4G+ Cat6 300 Mbps	-	-
	VDSL	-	-	-	-	-	<ul style="list-style-type: none"> • VDSL2 35b: 350 Mbps DSL Access. • Compatible with VDSL2/VDSL/ADSL2+/ADSL2/ADSL 			
	Power Supply	DC	DC	802.3at/bt PoE or DC	802.3at/bt PoE or DC	802.at/bt PoE	AC	DC	DC	DC
Installation	Rackmount / Desktop / Wall-Mounting	Desktop / Wall-Mounting	Wall-Mounting / Pole-Mounting	Wall-Mounting / Pole-Mounting	Wall-Mounting / Pole-Mounting / Window	Rackmount / Desktop	Desktop / Wall-Mounting	Desktop / Wall-Mounting	Desktop/ Wall-Mounting	
VPN	PPTP, OpenVPN	✓	✓	✓	✓	-	✓	✓	✓	✓
	L2TP, IPSec VPN, L2TP over IPSec VPN	✓	✓	✓	✓	-	✓	✓	✓	✓
	WireGuard VPN	✓	✓	✓	✓	-	✓	✓	✓	✓
	SSL VPN	✓	✓	✓	✓	-	✓	✓	✓	✓
	GRE VPN*	✓	✓	✓	✓	-	✓	✓	✓	-
SD-WAN	✓	✓	✓	✓	-	✓	✓	✓	✓	
Security	DPI	Application Control via Deep Packet Inspection (DPI)								
	Other	Access Control List, URL/Keyword Filter, DoS Defense, ARP Inspection, MAC Filter								
System Management		Centralized Cloud Management via Web UI or Omada App, SNMP v1/v2c/v3, Web Interface, Standalone Management								

*GRE VPN is supported in standalone mode.

Notice: These products and features are being developed and the images and specifications may vary.

Omada PoE Adapters


	PoE Injectors						PoE Splitter		PoE Extender		Passive PoE Adapters				
	10GE		2.5GE	GE			2.5GE	GE	GE	FE	10GE	2.5GE	GE		
Product Picture															
Model	POE380S	POE370S	POE260S	POE170S	POE160S	POE150S	POE260R	POE10R	POE20E-Outdoor	POE10E	POE5460X	POE5430G-M2	POE4824G	POE4818G	POE2412G
PoE Standard	802.3af/at/bt type3/bt type4	802.3af/at/bt type3	802.3af/at	802.3af/at/bt (type 3)	802.3af/at	802.3af	802.3af/at	802.3af	802.3af/at	802.3af/at	Passive PoE				
RJ45 Ports	• 1x 10GE RJ45 LAN • 1x 10GE RJ45 PoE Out	• 1x 10GE RJ45 LAN • 1x 10GE RJ45 PoE Out	• 1x 2.5GE RJ45 LAN • 1x 2.5GE RJ45 PoE Out	• 1x 1GE RJ45 LAN • 1x 1GE RJ45 PoE Out	• 1x 1GE RJ45 LAN • 1x 1GE RJ45 PoE Out	• 1x 1GE RJ45 LAN • 1x 1GE RJ45 PoE Out	• 1x 2.5GE RJ45 LAN • 1x 2.5GE RJ45 PoE+ In	• 1x 1GE RJ45 LAN • 1x 1GE RJ45 PoE In	• 2x GE RJ45 PoE (1x PoE in, 1x PoE out)	• 2x FE RJ45 PoE (1x PoE in, 1x PoE out)	• 1x 10GE LAN • 1x 10GE Passive PoE Out	• 1x 10GE LAN • 1x 10GE Passive PoE Out	• 1x 1GE Non-PoE In • 1x 1GE Passive PoE Out		
Input Power	100-240 VAC	100-240 VAC	100-240 VAC	100-240 VAC / 1.6A	100-240 VAC / 1.0A	48 VDC / 0.5 A	Max. 30 W**	Max. 15.4 W**	-	-	100-240 VAC	100-240 VAC	100-240 VAC / 0.8 A	100-240 VAC / 0.6 A	100-240 VAC / 0.4 A
Output Power	Max. 90 W**	Max. 60 W**	Max. 30 W**	Max. 60 W**	Max. 30 W**	Max. 15.4 W**	5/9/12 VDC	5/9/12 VDC	-	-	60W, 54 VDC, 111A	30W, 54 VDC, 0.56A	24W, 48 VDC, 0.5A	18W, 48 VDC, 0.375A	12W, 24 VDC, 0.5A
Plug and Play	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Dimensions (W×D×H)	6.1×2.8×1.7 in		5.0×2.3×1.4 in	6.1×2.8×1.7 in	5.0×2.3×1.4 in	3.2×2.1×1.0 in	3.2×2.1×1.0 in		8.7×1.2×1.2 in	2.8×1.0×0.6 in	4.9×2.3×1.5 in		4.3×2.2×1.5 in		3.4×1.7×1.4 in
Installation	Desktop / Wall-Mounting						Desktop				Desktop / Wall-Mounting				

**Auto Determination.

Omada Media Converters

Omada 100 Mbps Media Converters					
Product Picture					
Model	MC100CM	MC110CS	MC111CS	MC112CS	MC112CSP-20
Power Input	9 VDC / 0.6A				48 VDC / 0.375A
Fiber Ports	2x 100 Mbps SC Fiber Ports			1x 100 Mbps SC Fiber Port	
Copper Ports	1x 100 Mbps RJ45 Port				1x 100 Mbps RJ45 802.3af PoE Output Port
Transmission Distance	2 km		20 km		
Fiber Type	Multi-mode		Single-mode		
Fiber Number	Dual Fibers		Single Fiber		
Wave Length	1310 nm		TX: 1550 nm RX: 1310 nm		TX: 1310 nm RX: 1550 nm
Dimensions (W × D × H)	3.7×2.9×1.1 in (94.5×73.0×27.0 mm)				





	Omada 10G Media Converter	Omada Gigabit Media Converters						
Product Picture								
Model	MC420L	MC220L	MC200CM	MC210CS	MC211CS-2	MC212CS-2	MC211CS-20	MC212CS-20
Power Input	9V/0.6A				9V/0.6A			
Fiber Ports	1x 10G SFP+ Slot	1x Gigabit SFP Slot	2x Gigabit SC Fiber Ports		1x Gigabit SC Fiber Port			
Copper Ports	1x 1G/2.5G/5G/10Gbps RJ45 Port (Auto MDI/MDIX)	1x 10/100/1000 Mbps RJ45 Port (Auto MDI/MDIX)			1x 10/100/1000 Mbps RJ45 Port (Auto MDI/MDIX)			
Transmission Distance			550 m	20 km	2 km		20 km	
Fiber Type	Depends on the used SFP module	Depends on the used SFP module	Multi-Mode	Single-Mode	Single-Mode			
Fiber Number			Dual Fibers		Single Fiber			
Wave Length			850 nm	1310 nm	TX: 1550 nm RX: 1310 nm	TX: 1310 nm RX: 1550 nm	TX: 1550 nm RX: 1310 nm	TX: 1310 nm RX: 1550 nm
Dimensions (W × D × H)	3.7×2.9×1.1 in (94.5×73.0×27.0 mm)							
Operating Temperature	0 ~ 40 °C (32 ~ 104 °F)				0 ~ 40 °C (32 ~ 104 °F)			

Omada Power Chassis	
Product Picture	
Model	MC1400
Power Input	<ul style="list-style-type: none"> Up to 14 Media Converter Units 9VDC/0.6A Power Output, Compatible with MC Series Media Converters Redundant Power Supply Hot-Swappable





Omada SFP Modules

	100G QSFP28 Module	25G SFP28 Modules			10G SFP+ Modules			Gigabit SFP Modules					SFP/SFP+ RJ45 Modules		
Product Picture															
Model	SM9110-SR4	SM6110-LR	SM6110-SR	SM5110-LR	SM5110-SR	SM5110LSA-10 / SM5110LSB-10	SM311LS	SM311LM	SM321A	SM321B	SM321A-2	SM321B-2	SM5310-T	SM311T	
Data Rate	100 / 40 Gbps	25 / 10 Gbps	25 / 10 Gbps	10 Gbps		10 Gbps	1.25 Gbps					10 Gbps	1 Gbps		
Fiber Ports	MTP/IMPO-12	2x LC/UPC Duplex Ports		2x LC/UPC Duplex Ports		1x LC/UPC Duplex Port	2x LC/UPC Duplex Ports		1x LC/UPC Duplex Port				-	-	
RJ45 Ports													-	1x 10 Gbps RJ45 Port	1x 1000 Mbps RJ45 Port
Transmission Distance	100 m	10 km	100 m	10 km	300 m	10 km	20 km	550 m	20 km		2 km		31 m	100 m	
Transmission Media	OM3/OM4 Multi-Mode Fiber	Dual Single-Mode Fibers	Dual Multi-Mode Fibers	Dual Single-Mode Fibers	Dual Multi-Mode Fibers	Single Single-Mode Fiber	Dual Single-Mode Fibers	Dual Multi-Mode Fibers	Single Single-Mode Fiber				Cat6a or above Ethernet Cable	Cat5e or above Ethernet Cable	
Wave Length	850 nm	1310 nm	850 nm	1310 nm	850 nm	SA-10: 1330 nm / 1270 nm SB-10: 1270 nm / 1330 nm	1310 nm	850 nm	TX: 1550 nm RX: 1310 nm	TX: 1310 nm RX: 1550 nm	TX: 1550 nm RX: 1310 nm	TX: 1310 nm RX: 1550 nm	-	-	
Operating Temperature	0 ~ 70 °C (32 ~ 158 °F)														

Omada Gigabit Industrial SFP Modules

Gigabit Industrial SFP Modules				
Product Picture				
Model	ISM321A-20	ISM321B-20	ISM311LS	ISM311LM
Data Rate	1.25 Gbps			
Fiber Ports	1x LC/UPC Duplex Port		2x LC/UPC Duplex Ports	
RJ45 Ports	-			
Transmission Distance	20 km		550 m	
Transmission Media	Single Single-Mode Fiber		Dual Multi-Mode Fibers	
Wave Length	TX: 1550 nm RX: 1310 nm		850 nm	
Operating Temperature	-40 ~ 85°C (-40 ~ 185 °F)			

Omada Direct Attach Cables

	100G QSFP28 Cables	25G SFP28 Cables	10G SFP+ Cables	
Product Picture				
Model	SM9220-1M	SM6220-1M	SM5220-3M	SM5220-1M
Length	1 m	1 m	3 m	1 m
Connector Type	100G QSFP28 connector on both sides	25G SFP28 connector on both sides	10G SFP+ connector on both sides	10G SFP+ connector on both sides
Data Rate	100 / 40 Gbps	25 / 10 Gbps	10 Gbps	10 Gbps
Plug and Play	✓	✓	✓	✓
Operating Temperature	0 ~ 70 °C (32 ~ 158 °F)	0 ~ 70 °C (32 ~ 158 °F)	0 ~ 70 °C (32 ~ 158 °F)	0 ~ 70 °C (32 ~ 158 °F)

**Auto Determination.

Omada Reverse PoE Switches

Reverse PoE Switches	
Product Picture	
Model	RP108GE
Port	7× Gigabit Passive PoE-in RJ45 Ports Voltage: 24/48 V (mixture is not supported) 1× Gigabit Passive PoE-out RJ45 Port Voltage: depending on the input voltage of PoE-in ports 1 DC Output Port Voltage: 5/12 V
Power Pin of Ethernet cable	4/5+ 7/8-
PoE Supply	Passive PoE
Dimensions	6.2×3.9×1.0 in (158×99.1×25 mm)
Installation	Desktop / Wall-Mounting
Switching Capacity	16 Gbps
Features	VLAN IGMP Snooping QoS Manageable via web browser or Utility

Omada Rackmount Kit

Rackmount Kit			
Product Picture			
Model	RackMount Kit-19	RackMount Kit-13	RackMount Kit-D226
Power Input	<ul style="list-style-type: none"> Compatible with Omada 19-inch rack mount switches and other products. Reliable metal materials 	<ul style="list-style-type: none"> Compatible with Omada 13-inch rack mount switches and other products. Reliable metal materials 	<ul style="list-style-type: none"> Compatible with Omada devices whose dimensions (WxDxH) are 8.9×5.2×1.4 in (226×131×35 mm). Reliable metal materials

CORPORATE PROFILE

Founded in 1996 with humble beginnings, TP-Link has grown into a global leader in enterprise networking, security, consumer networking, electronics, software, and cloud services.

Headquartered in the United States, TP-Link operates 42 global branches, connecting billions of users across 170+ countries and regions with its Reliably Smart devices and cutting-edge technologies.

Through independent sub-brands like Omada, VIGI, Tapo, Kasa, and Aginet, TP-Link is committed to delivering reliable, high-performance, and user-friendly products and services. Driven by professionalism, innovation, excellence, and simplicity, we strive to empower businesses to achieve outstanding results globally while enabling consumers to enjoy the benefits and wonders of modern technology.



