

TP-Link Omada

The Smarter Cloud Solution for Business Networking



2022

Hospitality | Education | Retail | Office
and More

Professional
Reliable
Secure



CORPORATE PROFILE

TP-Link serves as the network backbone for homes and businesses worldwide. With humble beginnings in 1996, the company has grown to what it is today: a global leader.

You can find our Reliably Smart devices connecting 1.7 billion people in over 170 countries and regions. These numbers have led analyst firm IDC to rank us as the No. 1 provider of Wi-Fi devices for over a decade.*

We understand the importance of the always-connected lifestyle. Our products feature the latest technologies and are engineered to last. The TP-Link portfolio includes home-business-ISP networking, surveillance, and consumer electronics. Rest assured that you're receiving our proven stability, performance, and value with every device.

As our lives grow ever more connected, TP-Link will continue to pursue excellence and explore the possibilities of tomorrow.



*According to the latest published IDC Worldwide Quarterly WLAN Tracker Report, Q3 2021 Final Release.

TP-Link Solution's Strengths

TP-Link provides reliable networks and solutions for hospitality, education, retail, office, and more—all over the world. Tell us your needs and leave the rest to us.



The TP-Link Solution

One-Stop Solution
Professional. Reliable. Secure.

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Professional and Efficient One-Stop Solution

TP-Link offers a one-stop solution in accordance with our 'FARE' principle—Functional, Advanced, Reliable, Easy.



Excellent Pre- and After-Sales Services

TP-Link provides not only products with outstanding quality but also whole service for complete client satisfaction.

<h3>After-Sales Services</h3> <ul style="list-style-type: none"> • Global Call Center Providing Hotline Support • 24/7 Post-Sales Email Service • Online SMB Community 	<h3>Quality of Service</h3> <ul style="list-style-type: none"> • Replacement and Warranty • Constant Firmware Updates from Cloud Service 	<h3>Tech Solutions</h3> <ul style="list-style-type: none"> • Online Training and Certifications—TPNA & TPNP • Specialized Support Teams Locally and Abroad
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Comprehensive and Reliable Products Categories

TP-Link offers all kinds of business products for any situation, including indoor and outdoor access points, switches, routers, controllers, wireless broadband, and more.

Continuous Innovations
Independent research and development make TP-Link master the core technology, to react rapidly to changes in the market.

Vertical Integration
One of the few wireless networking companies that operate in-house manufacturing facilities to maintain the standard of every component.

High-Level Manufacturing
Decades of experience and the combination of supporting facilities ensure complete quality control.

Complete Quality Control
TP-Link develops, builds, crafts and sales products from start to finish, and takes rigorous tests and whole-process quality control.

Extensive Training and Support Resources

TP-Link's success as a provider of network solutions has been built on its relationship and unrivalled commitment to its partners. We have developed various tools to help our partners grow their businesses.

► Certification and Training


Currently, TPNA for SMB, TPNP for SMB Routing & Switching, and TPNP for SMB Business Wi-Fi are provided. Access professional training to develop your skills and gain certification to enhance your career.

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

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

► Partner Program


<https://partner.tp-link.com/>
For Value-Added Resellers (VARs) and System Integrators (SIs) looking for access to even better deals and tailored support, TP-Link has designed the TP-Link Partner Program to reward loyalty and help grow business.
Note: The Partner Program and benefits may vary according to your region. Please contact your local TP-Link representative for more information.




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

► SMB Community

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



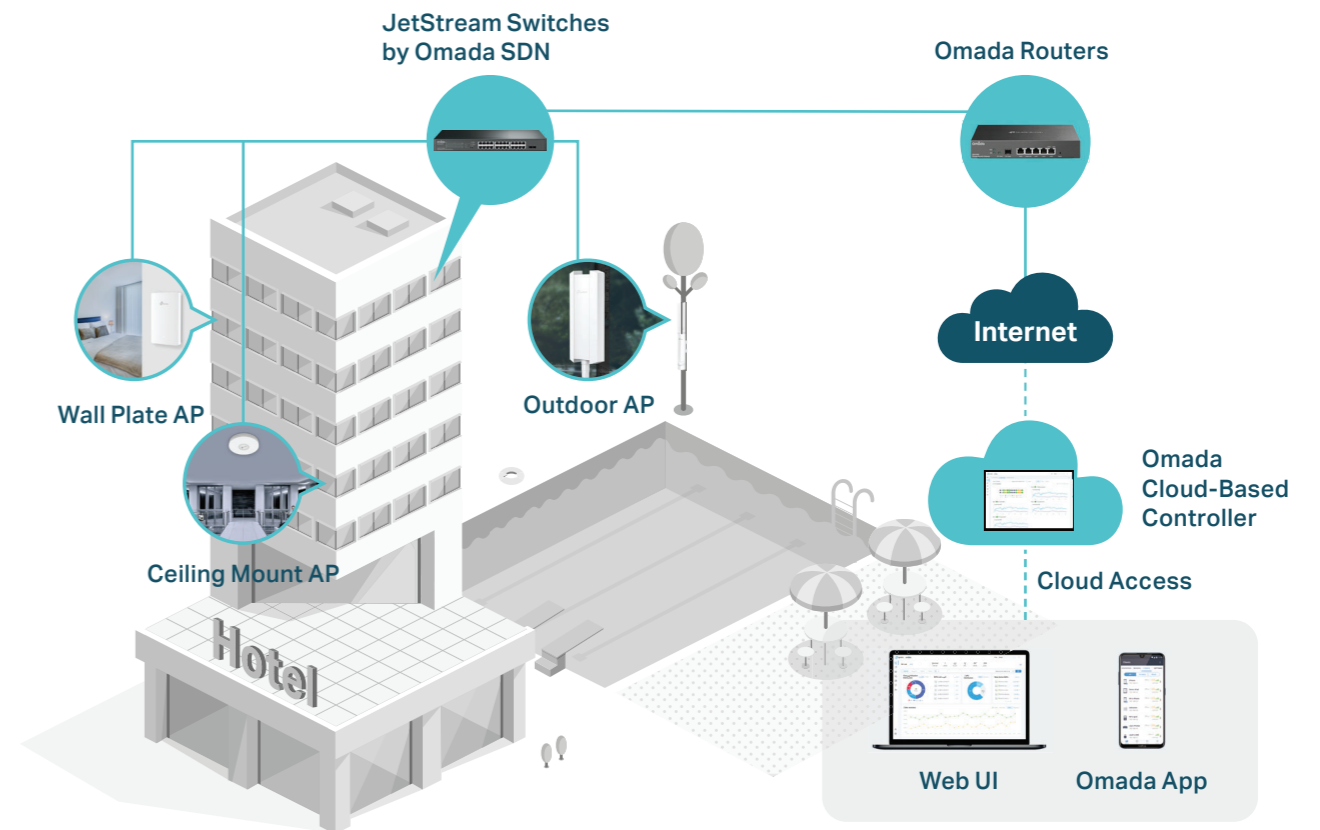
Technical support and case sharing.
Your direct dialogue with TP-Link.
When it comes to SMB, we know you want to learn more...



Forums Stories Knowledge Base

Omada—The Smarter Cloud Solution for Business Networking

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




Software Defined Networking (SDN)

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



 **Higher Efficiency**

 **Higher Security**

 **Higher Reliability**

Higher Efficiency

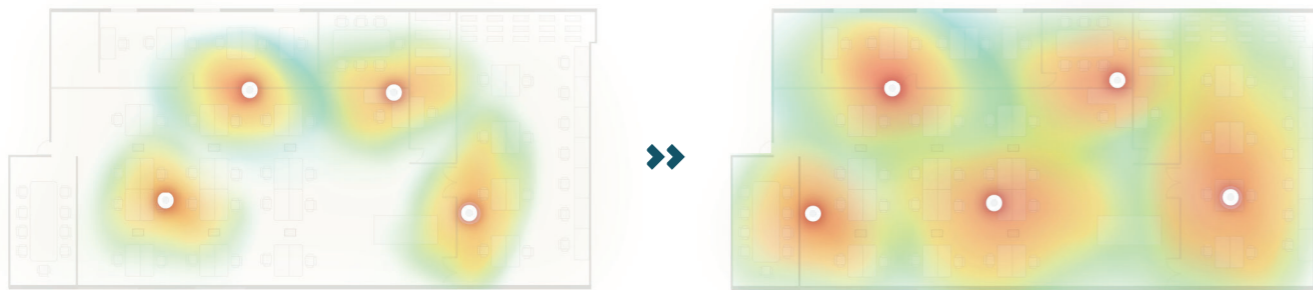
No more delegating staff to endlessly configure and manage devices on every site—improve your network efficiency and reduce the overall cost of deployment, operation, and maintenance.



1 Site Survey

Wi-Fi Heatmap Simulator to Generate Wi-Fi Solutions With Ease*

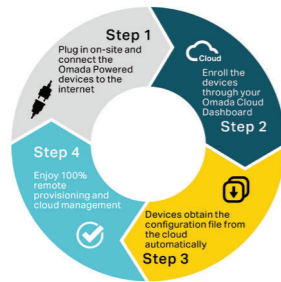
Simulates the wireless coverage effect of APs in the actual site, and determines the appropriate number and location of APs according to the coverage requirements.



2 Network Deployment

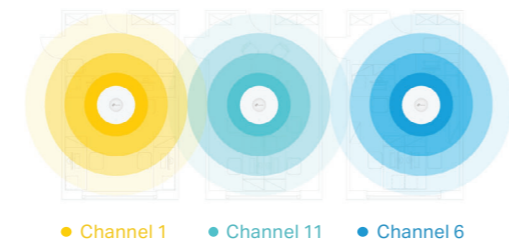
Zero-Touch Provisioning*

By using Cloud-Based Controller, there's no need to send out an engineer for on-site configuration with Omada Cloud, ensuring a more efficient deployment at a lower cost. Omada zero-touch provisioning allows you to remotely deploy and configure multi-site networks.



Auto Channel Selection and Power Adjustment*

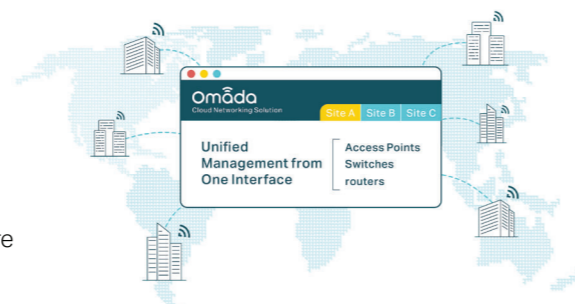
Provide powerful wireless performance while greatly reducing Wi-Fi interference by automatically adjusting the channel settings and transmission power levels of neighboring APs in the same network.



3 Configuration & Management

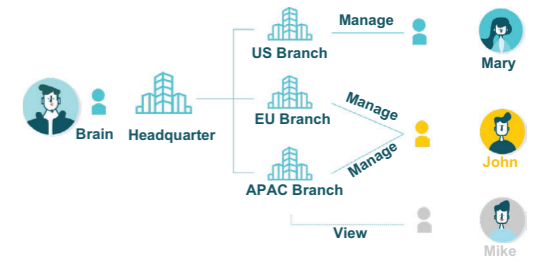
Hassle-Free Centralized Cloud Management

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



Assign Different Management Roles

Take advantage of multi-person management and multi-level permissions, while adding administrators wherever necessary. Enjoy flexible network operations and maintenance that suit your schedule.



4 Monitoring & Maintenance

Easy and Intelligent Network Monitoring

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



Intelligent Network Analysis, Warning, and Optimization* with AI-Driven Tech

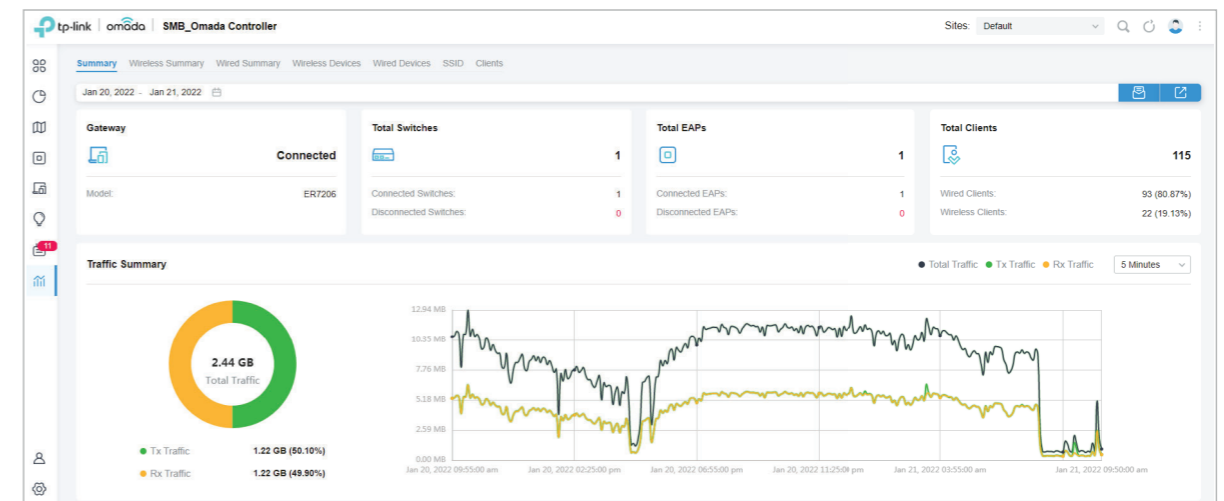
Analyze potential network problems and receive optimization suggestions for higher network efficiency. Locate network faults, warn and notify users, and generate solutions for lower network risk.



5 Report

Visualizable Network Report for a Conveniently Summary

Service providers can easily report network service quality to their customers through customized reports, and IT administrators can also easily report network operation status through reports.



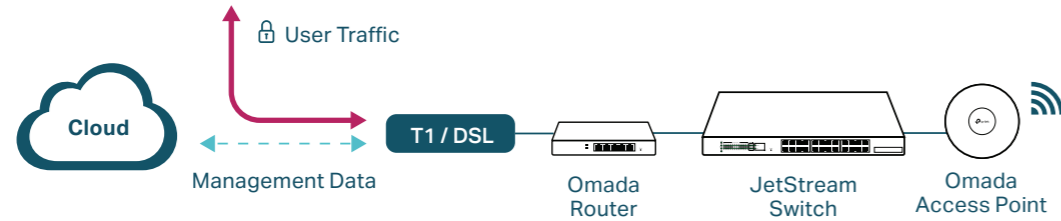
*Zero-Touch Provisioning and Auto Channel Selection and Power Adjustment require the use of Omada Cloud-Based Controller. Please go to www.tp-link.com/omada-cloud-based-controller/product-list to confirm which models are compatible with Omada Cloud-Based Controller.

*Intelligent Network Analysis, Warning, and Optimization are being developed and are scheduled to be released in 2022 and only can use after subscription of the Omada Cloud-Based Controller.

Higher Security

Better Protection for Users' Privacy

TP-Link Omada separates network management data from user data, with no user traffic passing through the cloud, ensuring better protection for users' privacy.



Abundant Security Functions

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







Higher Reliability

Cloud services are guaranteed with 99.99% SLA availability, 24/7 automated fault detection, geographically isolated back-up servers, and reliable product quality. Your network functions even if management traffic is interrupted.



Omada—Scenario-Based Design

TP-Link Omada is specially designed for hospitality, education, retail, office, and more. Scenario-based products and rich benefits satisfy different needs in various environments.








 <p>Hospitality</p> <ul style="list-style-type: none"> ✓ Full Wi-Fi coverage and wired connections ✓ Flexible guest control ✓ Seamless roaming ✓ Easy management 	 <p>Education</p> <ul style="list-style-type: none"> ✓ Easy management ✓ High-density Wi-Fi ✓ Full Wi-Fi coverage and wired connections ✓ VPN and security 	 <p>Retail</p> <ul style="list-style-type: none"> ✓ Boost online business ✓ Flexible guest control ✓ Seamless roaming ✓ High-concurrent clients 	 <p>Office</p> <ul style="list-style-type: none"> ✓ Stable Wi-Fi coverage and wired connections ✓ VPN ✓ High security ✓ Easy management ✓ Content filter and monitoring
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Empower Your Enterprise-Class Wi-Fi Beyond Imagination

WiFi 6E

Omada Wi-Fi 6E Access Points Improve Experience in High-Density Environments

Omada Wi-Fi 6E Access Points for High-Density Environments

 <p>EAP690E HD* AX11000 Ceiling Mount Quad-Band Wi-Fi 6E Access Point</p> <table border="1"> <tr> <td>6 GHz</td> <td>4x 1201 Mbps</td> </tr> <tr> <td>5 GHz_1</td> <td>4x 600 Mbps</td> </tr> <tr> <td>5 GHz_2</td> <td>4x 600 Mbps</td> </tr> <tr> <td>2.4 GHz</td> <td>4x 287 Mbps</td> </tr> </table>	6 GHz	4x 1201 Mbps	5 GHz_1	4x 600 Mbps	5 GHz_2	4x 600 Mbps	2.4 GHz	4x 287 Mbps	 <p>Wi-Fi 6 on 6 GHz Band</p>  <p>Quad-Band AX11000</p>	 <p>1x 10 Gigabit Port</p>  <p>High-Density Wi-Fi</p>	 <p>PoE++ Support</p>  <p>Energy Conservation</p>
6 GHz	4x 1201 Mbps										
5 GHz_1	4x 600 Mbps										
5 GHz_2	4x 600 Mbps										
2.4 GHz	4x 287 Mbps										



Improved Capacity with More Spectrum

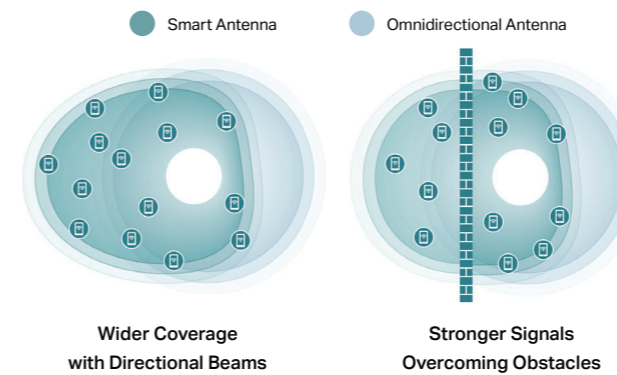
Offers additional spectrum for 6GHz Wi-Fi, enabling more simultaneous transmissions with less buffering, with less buffering to fulfill the needs of ever-increasing Wi-Fi usage.

High-Density Wi-Fi



Connections for up to 2000 Devices

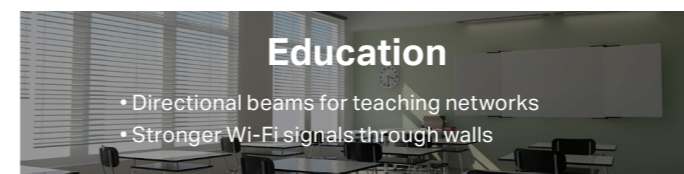
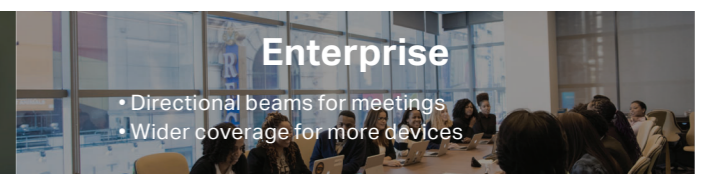
Provides high-efficiency connections with no drops or congestion, even in traffic-dense environment.



Experience the peak of Wi-Fi 6 with Smart Antenna

Improve performance for user-heavy scenarios through TP-Link's ingenious antenna array and intelligent algorithm.

- Up to 4096 patterns are available, with four antennas for each band and four bands in total.
- Innovative algorithms will select the best signal pattern for a superior Wi-Fi experience, overcoming obstacles and signal interference.

 <p>Education</p> <ul style="list-style-type: none"> • Directional beams for teaching networks • Stronger Wi-Fi signals through walls 	 <p>Enterprise</p> <ul style="list-style-type: none"> • Directional beams for meetings • Wider coverage for more devices
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*These products are being developed and the product images and specifications are for reference only.

Meet the 6th Generation of Wi-Fi

Wi-Fi 6

Omada Wi-Fi 5 and Wi-Fi 4 Access Points



EAP265 HD

AC1750 Wireless MU-MIMO Gigabit Ceiling Mount Access Point
1300 Mbps + 450 Mbps

- High-Density Wi-Fi
- Centralized Management
- Cloud Access
- Mesh
- Seamless Roaming
- PoE Support
- Long Range
- Guest Network



EAP245

AC1750 Wireless MU-MIMO Gigabit Ceiling Mount Access Point
• 1,300 Mbps + 450 Mbps



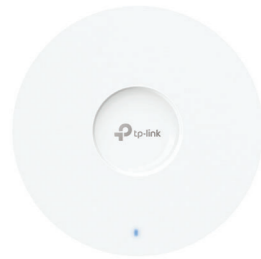
EAP225

AC1350 Wireless MU-MIMO Gigabit Ceiling Mount Access Point
• 867 Mbps + 450 Mbps



EAP115/EAP110
300 Mbps Wireless N Ceiling Mount Access Point

Omada Ceiling Mount Wi-Fi 6 Access Points



EAP620 HD

AX1800 Ceiling Mount Wi-Fi 6 Access Point



5 GHz 2x 600 Mbps
2.4 GHz 2x 287 Mbps



EAP670

AX5400 Ceiling Mount Wi-Fi 6 Access Point



5 GHz 4x 1201 Mbps
2.4 GHz 2x 287 Mbps

EAP660 HD

AX3600 Ceiling Mount Wi-Fi 6 Access Point



5 GHz 4x 600 Mbps
2.4 GHz 4x 287 Mbps



EAP650

AX3000 Ceiling Mount Wi-Fi 6 Access Point



5 GHz 2x 1201 Mbps
2.4 GHz 2x 287 Mbps



EAP610

AX1800 Ceiling Mount Wi-Fi 6 Access Point



5 GHz 2x 600 Mbps
2.4 GHz 2x 287 Mbps



EAP235-Wall

AC1200 Wireless MU-MIMO Gigabit Wall Plate Access Point

- 867 Mbps + 300 Mbps
- Centralized Management
- Cloud Access
- 4x Gigabit Ports
- Easy Installation
- PoE Input and PoE Passthrough
- Guest Network



EAP230-Wall

AC1200 Wireless MU-MIMO Gigabit Wall Plate Access Point
• 867 Mbps + 300 Mbps
• 2x Gigabit Ports



EAP115-Wall

300 Mbps Wireless N Wall Plate Access Point
• 2x 10/100 Mbps Ethernet Ports



EAP225-Outdoor

AC1200 Wireless MU-MIMO Gigabit Indoor/Outdoor Access Point

- 867 Mbps + 300 Mbps
- Centralized Management
- Cloud Access
- Mesh
- Seamless Roaming
- Long Range
- PoE Support
- IP67 Weatherproof Enclosure



EAP110-Outdoor

300 Mbps Wireless N Outdoor Access Point

Omada Outdoor Wi-Fi 6 Access Points



EAP670-Outdoor HD*

AX5400 Indoor/Outdoor Wi-Fi 6 Access Point



5 GHz 4x 1201 Mbps
2.4 GHz 2x 287 Mbps



EAP650-Outdoor*

AX3000 Indoor/Outdoor Wi-Fi 6 Access Point



5 GHz 2x 1201 Mbps
2.4 GHz 2x 287 Mbps



EAP610-Outdoor

AX1800 Indoor/Outdoor Wi-Fi 6 Access Point



5 GHz 2x 600 Mbps
2.4 GHz 2x 287 Mbps

Omada Wall Plate Wi-Fi 6 Access Points



EAP655-Wall*

AX3000 Wall Plate Wi-Fi 6 Access Point



5 GHz 2x 1201 Mbps
2.4 GHz 2x 287 Mbps



EAP650-Wall*

AX3000 Wall Plate Wi-Fi 6 Access Point



5 GHz 2x 1201 Mbps
2.4 GHz 2x 287 Mbps



EAP615-Wall

AX1800 Wall Plate Wi-Fi 6 Access Point



5 GHz 2x 600 Mbps
2.4 GHz 2x 287 Mbps

Omada Mesh

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

Seamless Roaming

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

Long-Range Coverage

Dedicated high-power amplifier and professional antennas ensure long-range coverage over 2.4 GHz and 5 GHz wireless bands.

Guest Network

Provides secure Wi-Fi access along with multiple authentication options (SMS/Facebook Wi-Fi/Voucher, etc.) and abundant wireless security features.

MU-MIMO

Simultaneously sends data to multiple devices for higher throughput.

Airtime Fairness

Improves total Wi-Fi throughput by limiting access time for low-speed devices.

Band Steering

Pushes dual-band devices to the wider and faster 5 GHz band, improving overall network performance, especially in high-client density environments.

Load Balance

Improves overall network performance by limiting the number of users on each access point and removes devices with weak reception.

*These products are being developed and the product images and specifications are for reference only.

Note: Please refer to page 38-39 for detailed products specifications.

*The features listed on this page are supported by certain product models.

JetStream Switches by Omada SDN

Full 10G



TL-SX3016F

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

- 16× 10G SFP+ Slots
- 1× RJ45 Console Port
- 1× Micro-USB Console Port
- Redundant Power Supplies

- Omada SDN Integration
- Centralized Management
- Full 10G Connection
- L3 Static Routing
- Abundant L2 & L2+ Features
- Robust Security Strategies

10G Uplink



TL-SG3210XHP-M2

- 8× 2.5G PoE+ RJ45 Ports
- 2× 10G SFP+ Slots
- 802.3af/at PoE+
- 240 W PoE Power Budget
- 1× RJ45 + 1× Micro-USB Console Port



TL-SG3452XP/ TL-SG3428XMP

- 48 / 24× Gigabit PoE+ RJ45 Ports
- 4× 10G SFP+ Slots
- 802.3af/at PoE+
- 500W / 384 W PoE Power Budget
- 1× RJ45 + 1× Micro-USB Console Port



TL-SG3452X/ TL-SG3428X

- 48 / 24× Gigabit RJ45 Ports
- 4× 10G SFP+ Slots
- 1× RJ45 + 1× Micro-USB Console Port

TL-SG3428XF*

- 20× Gigabit RJ45 Ports
- 4× Gigabit Combo SFP/RJ45 Ports
- 4× 10G SFP+ Slots
- 1× RJ45 + 1× Micro-USB Console Port
- Redundant Power Supply

Gigabit Ports



TL-SG3452P/ TL-SG3428MP

- 48 / 24× Gigabit PoE+ RJ45 Ports
- 4× Gigabit SFP Slots
- 802.3af/at PoE+
- 384 W PoE Power Budget
- 1× RJ45 + 1× Micro-USB Console Port



TL-SG3452/ TL-SG3428

- 48 / 24× Gigabit RJ45 Ports
- 4× Gigabit SFP Slots
- 1× RJ45 + 1× Micro-USB Console Port



TL-SG3210

- 8× Gigabit RJ45 Ports
- 2× Gigabit SFP Slots
- 1× RJ45 + 1× Micro-USB Console Port



TL-SG2428P / TL-SG2210MP

- 24 / 8× Gigabit PoE+ RJ45 Ports
- 4 / 2× Gigabit SFP Slots
- 802.3af/at PoE+
- 250 / 150 W PoE Power Budget



TL-SG2210P / TL-SG2008P

- 8 / 4× Gigabit PoE+ RJ45 Ports
- 2× Gigabit SFP Slots / 4× Gigabit Non-PoE RJ45 Ports
- 802.3af/at PoE+
- 61 / 62 W PoE Power Budget



TL-SG2218/ TL-SG2008

- 16 / 8 (including 1 PD Port)× Gigabit RJ45 Ports
- 2 / 0× Gigabit SFP Slots



TL-SL2428P

- 24× 10/100 Mbps PoE+ RJ45 Ports
- 2× Gigabit RJ45 Ports
- 2× Gigabit Combo SFP/RJ45 Ports
- 250 W PoE Power Budget



Note: Please refer to page 40-41 for detailed products specifications.