tp-link

Omada

Business Class Wi-Fi Solution

MODELS: EAP330/EAP320/EAP245/EAP225/EAP225-Outdoor
EAP115/EAP110/EAP110-Outdoor/EAP115-Wall

Omada Controller Software

EAP330
EAP320
EAP225 V3

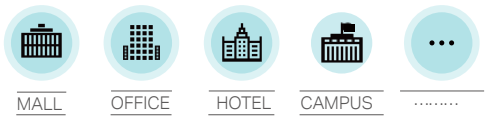
EAP245
EAP115
EAP110

EAP225-Outdoor

EAP110-Outdoor

EAP115-Wall

Omada Solution



Omada Controller Software

Business-Class Wi-Fi Solution

Omada access points provide a business-class wireless network solution that's flexible, manageable, secure, and easy-to-deploy. The free Omada Controller software allows users to manage hundreds of EAPs at multiple sites, all from a single location. The ability to control, adjust and visualize the entire network from any connected PC makes centralized business Wi-Fi management more efficient than ever before. Omada EAPs also feature captive portal and advanced RF management functions, which make them ideal for demanding, high-traffic environments such as campuses, hotels, malls and offices.

Highlights

Impressive Performance:

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

Extensive Scalability:

With the ability to manage hundreds of access points at once, simply add more EAPs at any time to expand the network.

Centralized Management:

The Omada solution supports two low-cost centralized management methods:
Omada Controller and easy-to-use Cluster mode.

Cost Efficiency:

The Omada Controller software is completely free and eliminates the need for expensive hardware controllers.

Centralized Management

Two simple and low-cost centralized management methods are available for Omada EAPs: multi-function Omada Controller software and easy-to-use Cluster mode. Switch between them as required.

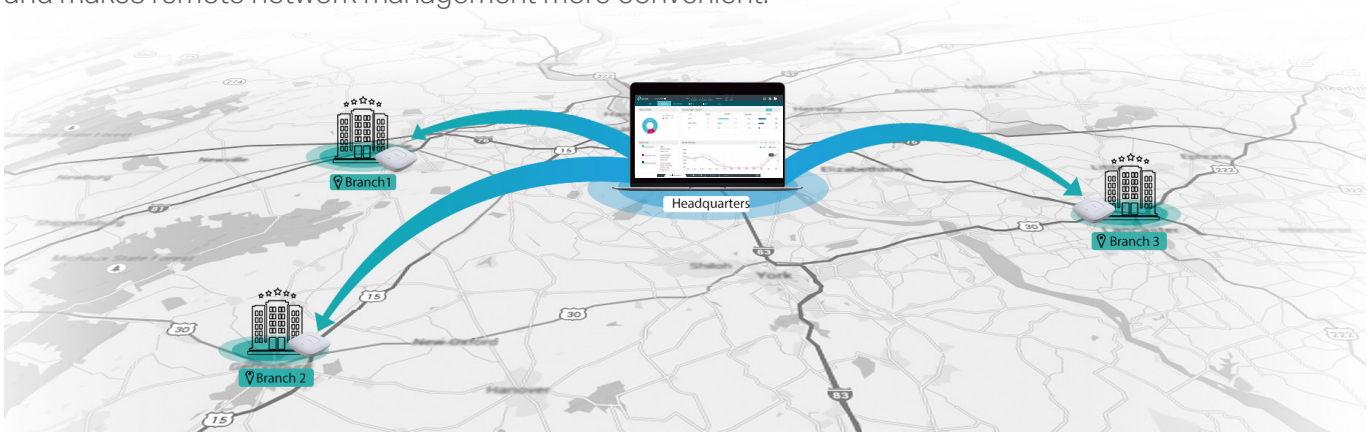
1. Advanced Omada Controller Software

Free: No Additional Expense **Easy:** No Special Training Required

Convenient, Effective Management

Manage Multiple Sites from a Single Location

The Omada Controller software allows network administrators to monitor and manage hundreds of Omada EAPs at multiple sites, from any connected PC within the network. This dramatically enhances scalability and makes remote network management more convenient.



Captive Portal - Customizable Guest Authentication

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

Scheduled Reboot

With the scheduled reboot function, Omada EAPs can reboot themselves automatically at specified time to ensure network stability.

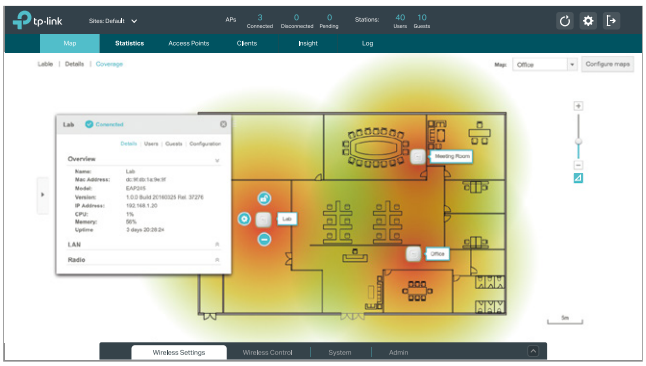
Access Control

Access control allows you to maintain a list of blocked IPs, which helps to protect internal communications and private data on the network.

Real-Time Status Monitoring

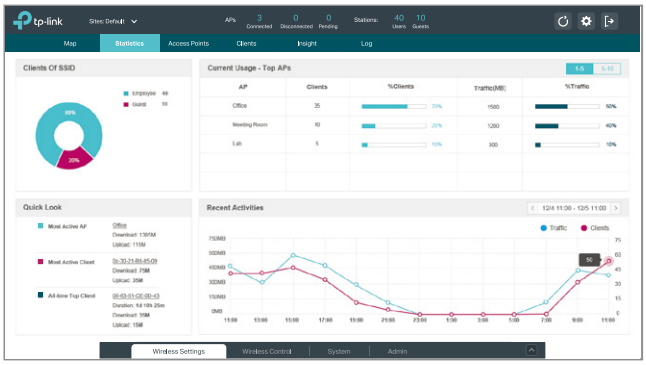
Customized Map

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



Statistics

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



Access Point

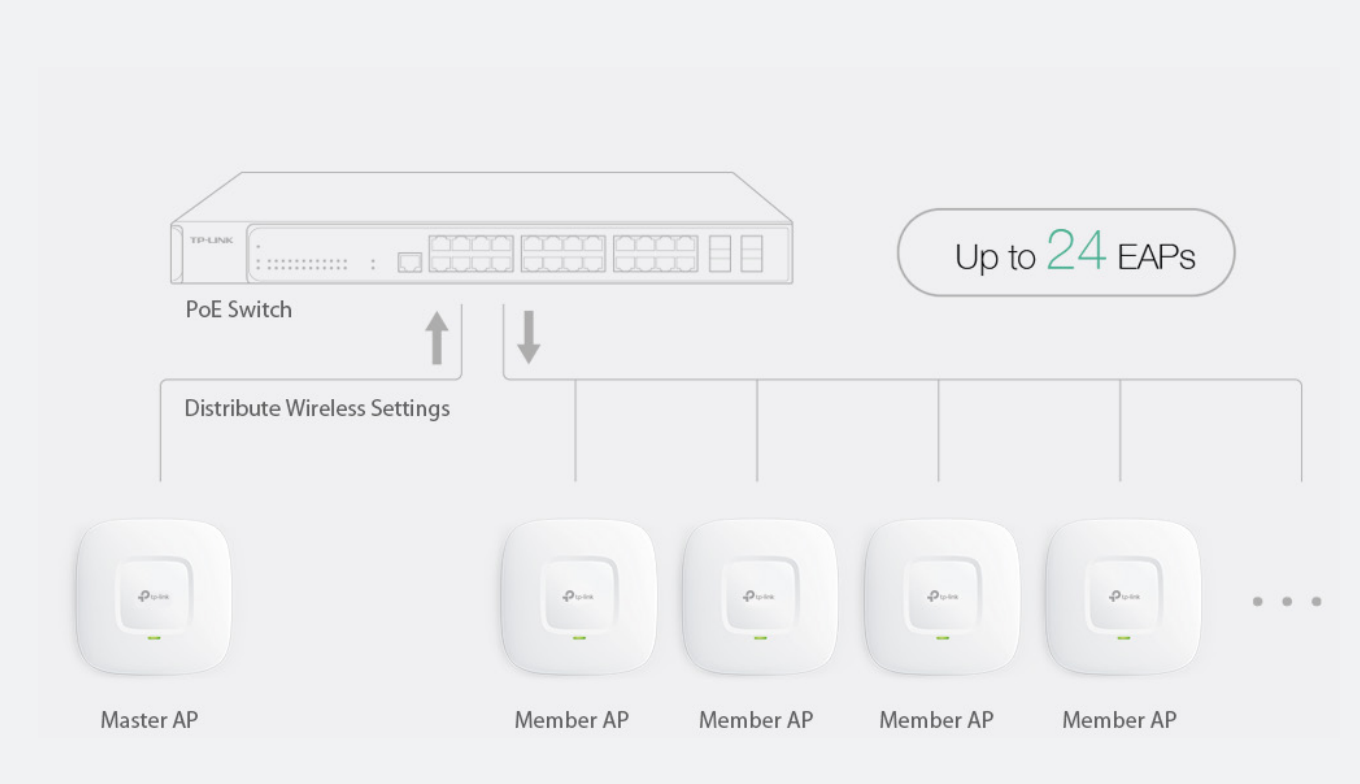
Provides a list of all EAPs, arranged by status, and offers real-time traffic data for each EAP, including the number of connected clients and the amount of data that each client consumes.

Client

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

2. Easy-to-Use Cluster Mode*

Cluster mode allows you to manage up to 24 Omada EAPs at once. A master Omada EAP is selected automatically and the network administrator can manage the cluster via an intuitive web interface. There's no need to install additional PC software or to purchase an expensive hardware controller.



Which is the best management method for you?

	Need to install Hardware?	Need to install software?	Multi SSID	Batch Upgrade	Load Balance	Captive Portal	L3 Management	Reboot Schedule	Band Steering	Rate Limit
Omada Controller	No	Yes	√	√	Advanced	Advanced	√	√	√	√
Cluster	No	No	√	√	Basic	Basic	-	-	-	-

*Only be supported by EAP115

Product Features

Easy-Mount Design

The Ceiling Mount EAP's elegant appearance and easy-mount design promote fast installation on any wall or ceiling surface, and allow it to blend in seamlessly with most interior decorating styles. The slimline, inconspicuous Wall Plate EAP can be easily installed into any standard EU-type Ethernet wall box.

PoE Power Supply

With IEEE 802.3af/at PoE or Passive PoE, you can use Ethernet cables to transfer both electrical power and network data, making deployment more flexible and removing the need to install additional power cabling.

Business-Class Hardware Design

Enterprise-class chipsets offer outstanding performance and support longer running time, higher client capacity and greater range. Dedicated high-power amplifiers, specialized antennas and professionally designed RF shields ensure excellent wireless performance.

Advanced RF Management

MU-MIMO, Airtime Fairness, Beamforming, and Band Steering Technologies guarantee optimal RF performance for business-level applications.

Easy Centralized Management

Configure and monitor hundreds of Omada EAPs with ease using the Omada Controller software. Alternatively, Cluster mode provides a convenient management method of managing up to 24 EAPs that's similar to the way a home router is managed.

Omada Business Class Wi-Fi Solution

802.11ac Access Points

Picture					
Model	EAP330	EAP320	EAP245	EAP225 V3	EAP225-Outdoor
Product	AC1900 Wireless Dual Band Gigabit Access Point	AC1200 Wireless Dual Band Gigabit Access Point	AC1750 Wireless Dual Band Gigabit Access Point	AC1350 Wireless MU-MIMO Gigabit Ceiling Mount Access Point	AC1200 Wireless MU-MIMO Gigabit Indoor/Outdoor Access Point
Speed	2.4GHz: 600Mbps 5GHz: 1300Mbps	2.4GHz: 300Mbps 5GHz: 867Mbps	2.4GHz: 450Mbps 5GHz: 1300Mbps	2.4GHz: 450Mbps 5GHz: 867Mbps	2.4GHz: 300Mbps 5GHz: 867Mbps
Ethernet Port	2 Gigabit Ports	1 Gigabit Port	1 Gigabit Port	1 Gigabit Port	1 Gigabit Port
PoE	802.3at	802.3at	802.3at	802.3af and 24V Passive POE	802.3af and 24V Passive POE
Internal Antennas	2.4GHz: 3x6dBi 5GHz: 3x7dBi	2.4GHz: 2x5dBi 5GHz: 2x6dBi	2.4GHz: 3x4dBi 5GHz: 3x4dBi	2.4GHz: 3x4dBi 5GHz: 2x5dBi	2 Dual-Band Omni Antennas 2.4GHz: 2*3dBi 5GHz: 2*4dBi

802.11n Access Points

Picture				
Model	EAP115	EAP110	EAP110-Outdoor	EAP115-Wall
Product	300Mbps Wireless N Access Point	300Mbps Wireless N Access Point	300Mbps Wireless N Outdoor Access Point	300Mbps Wireless N Wall-Plate Access Point
Speed	2.4GHz: 300Mbps	2.4GHz: 300Mbps	2.4GHz: 300Mbps	2.4GHz: 300Mbps
Ethernet Port	1 10/100Mbps Ethernet Port	1 10/100Mbps Ethernet Port	1 10/100Mbps Ethernet Port	2 10/100Mbps Ethernet Ports
PoE	802.3af	Passive PoE	Passive PoE	802.3af
Internal Antennas	2x3dBi	2x3dBi	2x5dBi (External Detachable)	2x1.8dBi

Specifications

802.11ac Indoor Access Points

Model		EAP330	EAP320
Name		AC1900 Wireless Dual Band Gigabit Access Point	AC1200 Wireless Dual Band Gigabit Access Point
Main Design	LAN Interfaces	Gigabit Ethernet (RJ-45) Port *2	Gigabit Ethernet (RJ-45) Port *1
	Wi-Fi Standards	IEEE 802.11a/b/g/n/ac	
	Maximum Data Rate	Up to 600Mbps (2.4GHz) + 1300Mbps (5GHz)	Up to 300 Mbps (2.4GHz) + 867Mbps (5GHz)
	Internal Antennas	2.4GHz: 3 * 6dBi, 5GHz: 3 * 7dBi	2.4GHz: 2 * 5dBi, 5GHz: 2 * 6dBi
	Transmit Power	CE: <20dBm (2.4GHz), <23dBm (5GHz) FCC: <27dBm	
	Power over Ethernet (PoE)	IEEE 802.3at	
Centralized Management	Omada Controller Softaware	•	
	Web-based Management	HTTP/HTTPS	
Security	Captive Portal Authentication	•	
	Access Control	•	
	Rogue AP Detection	•	
	Wireless Encryption	WEP, WPA/WPA2-Personal/Enterprise Encryption	
	802.1X Support	•	
Wireless Function	Multiple SSIDs	16 (8 on each radio)	
	Automatic Channel Assignment	•	
	QoS(WMM)	•	
	Airtime Fairness	•	
	Beamforming	•	
	Band Steering	•	
	Rate Limit	•	
	Load Balance	•	
	Reboot Schedule	•	
	Wireless Schedule	•	
Support Data Rates	802.11ac	5GHz: 6.5 Mbps to 1300Mbps (MCS0-MCS9, NSS = 1 to 3 VHT20/40/80) 2.4GHz(QAM256): 78Mbps to 600Mbps (MCS8-MCS9 VHT20/40, NSS=1 to 3)	5GHz: 6.5 Mbps to 867Mbps (MCS0-MCS9, NSS = 1 to 3 VHT20/40/80) 2.4GHz(QAM256): 78Mbps to 300Mbps (MCS8-MCS9 VHT20/40, NSS=1 to 3)
	802.11n	6.5 Mbps to 300 Mbps (MCS0 - MCS15, VHT 20/40)	
	802.11g	6, 9, 12, 18, 24, 36, 48, 54 Mbps	
	802.11b	1, 2, 5.5, 11 Mbps	
	802.11a	6, 9, 12, 18, 24, 36, 48, 54 Mbps	
Physical & Environment	Power Supply	PoE (802.3at-compliant, 36-57V 0.7A)or external 12VDC/2.5A power supply	PoE (802.3at-compliant, 36-57V 0.7A)or external 12VDC/1.5A power supply
	Maximum Power Consumption	17.7W	14.03W
	Mounting	Ceiling/Wall mounting (Kits included)	
	Certifications	CE, FCC, RoHS	
	Dimensions (W x D x H)	8.7 x 7.6 x 1.4in. (220.5 x193.5x 36.5 mm)	
	Environment	Operating Temperature: 0°C~40°C (32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F); Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing;	

802.11ac Indoor Access Points

Model		EAP245	EAP225 V3
Name		AC1750 Wireless Dual Band Gigabit Access Point	AC1350 Wireless MU-MIMO Gigabit Ceiling Mount Access Point
Main Design	LAN Interfaces	Gigabit Ethernet (RJ-45)Port*1	
	Wi-Fi Standards	IEEE 802.11a/b/g/n/ac	
	Maximum Data Rate	Up to 450 Mbps (2.4GHz) + 1300Mbps (5GHz)	Up to 450 Mbps (2.4GHz) + 867Mbps (5GHz)
	Internal Antennas	2.4GHz: 3 * 4dBi, 5GHz: 3 * 4dBi	2.4GHz: 3 * 4dBi, 5GHz: 2 * 5dBi
	Transmit Power	CE: <20dBm (2.4GHz), <23dBm (5GHz) FCC: <27dBm(2.4GHz&5GHz)	CE: <20dBm (2.4GHz, EIRP), <23dBm (5GHz, EIRP) FCC: <24dBm(2.4GHz),<22dBm(5GHz)
	Power over Ethernet (PoE)	IEEE 802.3at	802.3af and 24V Passive PoE
Centralized Management	Omada Controller Softaware	•	
Security	Captive Portal Authentication	•	
	Access Control	•	
	Rogue AP Detection	•	
	Wireless Encryption	WEP, WPA/WPA2-Personal/Enterprise Encryption	
	802.1X Support	•	
Wireless Function	Multiple SSIDs	16 (8 on each band)	
	Automatic Channel Assignment	•	
	QoS(WMM)	•	
	MU-MIMO	-	•
	Airtime Fairness	-	•
	Beamforming	-	•
	Band Steering	-	•
	Rate Limit	•	
	Load Balance	•	
	Reboot Schedule	•	
	Wireless Schedule	•	
Support Data Rates	802.11ac	5G:6.5 Mbps to 1300Mbps(MCS0-MCS9,NSS = 1 to 2 VHT20/40/80) 2.4G:78Mbps to 450Mbps (MCS8-MCS9 VHT20/40,NSS=1 to 3)	5G:6.5 Mbps to 867Mbps(MCS0-MCS9,NSS = 1 to 2 VHT20/40/80) 2.4G:78Mbps to 450Mbps (MCS8-MCS9 VHT20/40, NSS=1 to 3)
	802.11n	6.5 Mbps to 450Mbps (MCS0-MCS15,VHT20/40)	6.5 Mbps to 450 Mbps (MCS0 - MCS15, VHT 20/40)
	802.11g	6, 9, 12, 18, 24, 36, 48, 54 Mbps	
	802.11b	1, 5.5, 11Mbps	
	802.11a	6, 9, 12, 18, 24, 36, 48, 54 Mbps	
Physical & Environment	Power Supply	PoE (802.3at-compliant, 36-57V 0.4A) or external 12VDC/1.5A power supply	802.3af and 24V Passive PoE(Passive PoE Adapter Included)
	Maximum Power Consumption	12.7W	12.6W
	Mounting	Ceiling/Wall mounting (Kits included)	
	Certifications	CE, FCC, RoHS	
	Dimensions (W x D x H)	7.1 x 7.1 x 1.9in.(180 x 180 x 47.5mm)	205.4 x 181.6 x 37.4mm
	Environment	Operating Temperature: 0°C~40°C (32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F); Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing;	

802.11n Indoor Access Points

Model		EAP115	EAP110
Name		300Mbps Wireless N Access Point	300Mbps Wireless N Access Point
Main Design	LAN Interfaces	10/100Mbps Ethernet Port*1	
	Wireless Frequency	2.4GHz	
	Wi-Fi Standards	IEEE802.11b/g/n	
	Maximum Data Rate	300 Mbps	
	Internal Antennas	2 * 3dBi	
	Transmit Power	CE: <20dBm, FCC: <26dBm	CE: <20dBm, FCC: <26dBm
	Power over Ethernet (PoE)	IEEE 802.3af	24V Passive PoE
Centralized Management	Omada Controller Softaware	•	
	Cluster	•	-
Security	Captive Portal Authentication	•	
	Access Control	•	
	Rogue AP Detection	•	
	Wireless Encryption	WEP, WPA/WPA2-Personal/Enterprise Encryption	
	802.1X Support	•	
Wireless Function	Multiple SSIDs	8	
	Automatic Channel Assignment	•	
	QoS(WMM)	•	
	Airtime Fairness	-	
	Beamforming	-	
	Band Steering	-	
	Rate Limit	•	
	Load Balance	•	
	Reboot Schedule	•	
	Wireless Schedule	•	
Support Data Rates	802.11n	6.5 Mbps to 300 Mbps (MCS0 - MCS15, VHT 20/40)	
	802.11g	6, 9, 12, 18, 24, 36, 48, 54 Mbps	
	802.11b	1, 2, 5.5, 11 Mbps	
	802.11a	-	
Physical & Environment	Power Supply	PoE (802.3af-compliant, 36-57V 0.15A) or external 12VDC/1.0A power supply	24VDC/1A Passive PoE Supply
	Maximum Power Consumption	5W	6.55W
	Mounting	Ceiling/Wall mounting (Kits included)	
	Certifications	CE, FCC, RoHS	
	Dimensions (W x D x H)	7.1 x 7.1 x 1.9in. (180 x180 x 47.5 mm)	
	Environment	Operating Temperature: 0°C~40°C (32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F); Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing;	

802.11ac Outdoor Access Points

Model		EAP225-Outdoor
Name		AC1200 Wireless MU-MIMO Gigabit Indoor/Outdoor Access Point
Main Design	LAN Interfaces	Gigabit Ethernet(RJ-45) Port*1
	Wireless Frequency	2.4GHz/5GHz
	Wi-Fi Standards	IEEE 802.11a/b/g/n/ac
	Maximum Data Rate	Up to 300Mbps(2.4GHz)+867Mbps(5GHz)
	Antennas	2 Dual-Band Omni Antennas (2.4G: 3dBi, 5G: 4dBi)
	Transmit Power	CE: <20dBm(2.4GHz,EIRP),<23dBm(5GHz,EIRP) FCC: <30dBm(2.4GHz,EIRP),<30dBm(5GHz,EIRP)
	Power over Ethernet (PoE)	802.3af and 24V Passive PoE
Centralized Management	Omada Controller Softaware	•
Security	Captive Portal Authentication	•
	Access Control	•
	Wireless MAC Adress Filtering	•
	Wireless Isolation between Clients	•
	SSID to VLAN Mapping	•
	Rogue AP Detection	•
	WEP Encryption	64/128/152-bit
	WPA/WPA2-Personal Encryption	•
	WPA/WPA2-Enterprise Encryption	•
	802.1X Support	•
Wireless Function	Multiple SSIDs	16(8 for each band)
	Enable/Disable Wireless Radio	•
	Automatic Channel Assignment	•
	Transmit Power Control	Adjust transmit Power on dBm
	QoS(WMM)	•
	MU-MIMO	•
	Airtime Fairness	•
	Beamforming	•
	Band Steering	•
	Rate Limit	•
	Load Balance	•
	Reboot Schedule	•
	Wireless Schedule	•
	Wireless Statistics	Based on SSID/AP/Client
Support Data Rates	802.11n	6.5 Mbps to 300Mbps (MCS0-MCS15,VHT20/40)
	802.11g	6, 9, 12, 18, 24, 36, 48, 54 Mbps
	802.11b	1,5.5,11 Mbps
	802.11a	6, 9, 12, 18, 24, 36, 48, 54 Mbps
	802.11ac	5G: 6.5 Mbps to 867Mbps (MCS0-MCS9, NSS=1 to 2 VHT20/40/80) 2.4G: 78 Mbps to 300Mbps (MCS8-MCS9, NSS=1 to 3 VHT20/40)
Physical Properties	Power Supply	802.3af and 24V Passive PoE(Passive PoE Adapter Included)
	Maximum Power Consumption	10.5W
	Mounting	Pole / Wall /Fast Mounting(Kits included)
	Certifications	CE, FCC, RoHS
	Dimensions (W x D x H)	214.9*46*26.7mm
	Environment	Operating Temperature: -30°C~70°C (-22°F~158°F) Storage Temperature: -40°C~70°C (-40°F~158°F) Operating Humidity: 10%~90% non-condensing Storage Humidity: 5%~90% non-condensing

802.11n Outdoor Access Points

Model		EAP110-Outdoor
Name		300Mbps Wireless N Outdoor Access Point
Main Design	LAN Interfaces	10/100Mbps Ethernet Port*1
	Wireless Frequency	2.4GHz
	Wi-Fi Standards	IEEE 802.11b/g/n
	Maximum Data Rate	Up to 300Mbps
	Antennas	2x5dBi External Waterproof Antennas
	Transmit Power	CE: <20dBm, FCC: <27dBm
	Power over Ethernet (PoE)	24V Passive PoE
Centralized Management	Omada Controller Softaware	•
Security	Captive Portal Authentication	•
	Access Control	•
	Wireless MAC Adress Filtering	•
	Wireless Isolation between Clients	•
	SSID to VLAN Mapping	•
	Rogue AP Detection	•
	WEP Encryption	64/128/152-bit
	WPA/WPA2-Personal Encryption	•
	WPA/WPA2-Enterprise Encryption	•
	802.1X Support	•
Wireless Function	Multiple SSIDs	8
	Enable/Disable Wireless Radio	•
	Automatic Channel Assignment	•
	Transmit Power Control	Adjust transmit Power on dBm
	QoS(WMM)	•
	Rate Limit	•
	Load Balance	•
	Reboot Schedule	•
	Wireless Schedule	•
	Wireless Statistics	Based on SSID/AP/Client
Support Data Rates	802.11n	6.5 Mbps to 300Mbps (MCS0-MCS15,VHT20/40)
	802.11g	6, 9, 12, 18, 24, 36, 48, 54 Mbps
	802.11b	1, 5.5, 11 Mbps
	802.11a	-
Management	LED ON/OFF Control	•
	Management MAC Access Control	•
	Web-based Management	HTTP/HTTPS
	Telnet	•
	SNMP	v1,v2c
	System Logging	Local/Remote Syslog
	Email Alerts	•
Physical & Environment	Power Supply	24V/0.6A Passive PoE
	Maximum Power Consumption	6.3W
	Button	Reset Button
	Watch Dog	•
	Mounting	Pole/Wall mounting (Kits included)
Others	Certifications	CE,RoHS
	Dimensions (W x D x H)	8.2 × 3.7 × 1.7 in. (209 × 95 × 42.6 mm)
	System Requirements	Microsoft Windows XP, Vista, Windows 7, Windows 8, Windows 10
	Environment	Operating Temperature: -30°C~65°C (-22°F~149°F); Storage Temperature: -40°C~70°C (-40°F~158°F); Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing;

802.11n Wall-Plate Access Points

Model		EAP115-Wall
Name		300Mbps Wireless N Wall-Plate Access Point
Main Design	LAN Interfaces	10/100Mbps Ethernet Port *2
	Wireless Frequency	2.4GHz
	Wi-Fi Standards	IEEE 802.11 b/g/n
	Maximum Data Rate	Up to 300Mbps
	Antennas	2*1.8dBi
	Transmit Power	CE: <15dBm
	Power over Ethernet (PoE)	IEEE 802.3af
Centralized Management	Cluster	-
	Max APs in One Cluster	-
	Web-Based Management	HTTP/HTTPS
	Omada Controller Softaware	•
Security	Captive Portal Authentication	•
	Access Control	•
	Wireless MAC Adress Filtering	•
	Wireless Isolation between Clients	•
	SSID to VLAN Mapping	•
	Rogue AP Detection	•
	802.1X Support	•
	Encryption	WEP, WPA/WPA2-PSK, WPA/WPA2-Enterprise
Wireless Function	Multiple SSIDs	8
	Automatic Channel Assignment	•
	Transmit Power Control	Adjust transmit Power on dBm
	QoS(WMM)	•
	Airtime Fairness	-
	Band Steering	-
	Beamforming	-
	Rate Limit	•
	Load Balance	•
	Reboot Schedule	•
	Wireless Schedule	•
Support Data Rates	802.11n	6.5Mbps to 300Mbps(MCS0-MCS15, HT20/40)
	802.11g	6,9,12,18,24,36,48,54Mbps
	802.11b	1,2,5.5,11Mbps
	802.11a	-
Management	LED ON/OFF Control	•
	Management MAC Access Control	•
	Web-based Management	•
	Telnet	•
	SNMP	v1,v2c
	System Logging	Local/Remote Syslog
	Email Alerts	•
Physical & Environment	Power Supply	IEEE 802.3af PoE
	Maximum Power Consumption	2.8W
	Mounting	Wall Plate Mouting
Others	Certifications	CE,RoHS
	Dimensions (W x D x H)	3.4 × 3.4 × 1.2 in. (86.8 × 86.8 × 30.2 mm)
	Environment	Operating Temperature: 0°C~40°C (32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F); Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing;

Some models featured in this guide may be unavailable in your country or region. Visit TP-Link website for local sales information.

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