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Auranet

Business Class Wi-Fi Solution

MODELS: EAP330/EAP320/EAP245/EAP225
EAP220/EAP120/EAP115/EAP110/EAP110-Outdoor/EAP115-Wall

EAP Controller Software

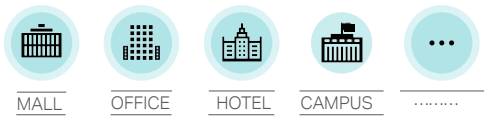
EAP330
EAP320

EAP245 EAP225 EAP220
EAP120 EAP115 EAP110

EAP110-Outdoor

EAP115-Wall

Auranet Solution



EAP Controller Software

Business-Class Wi-Fi Solution

Auranet access points provide a business-class wireless network solution that's flexible, manageable, secure, and easy-to-deploy. The EAP 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. Auranet 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, MIMO Technology, and TurboQAM combine to ensure outstanding performance and reliability.

Centralized Management:

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

Extensive Scalability:

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

Cost Efficiency:

The EAP Controller software eliminates the need for expensive hardware controllers.

Centralized Management

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

1. Advanced EAP Controller Software

Convenient: Support Real-Time Monitoring and Remote Management **Easy:** No Special Training Required

Convenient, Effective Management

Manage Multiple Sites from a Single Location

The EAP Controller software allows network administrators to monitor and manage hundreds of Auranet 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

Administrators can control guest access by designing a unique authentication page and establishing a voucher system to limit the duration of use for each client.

Scheduled Reboot

With the scheduled reboot function, Auranet 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.

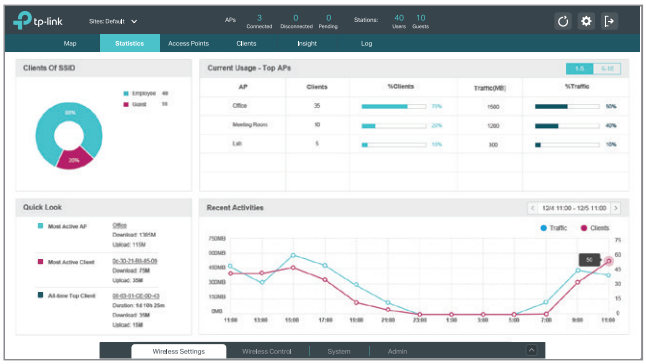
Real-Time Status Monitoring

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

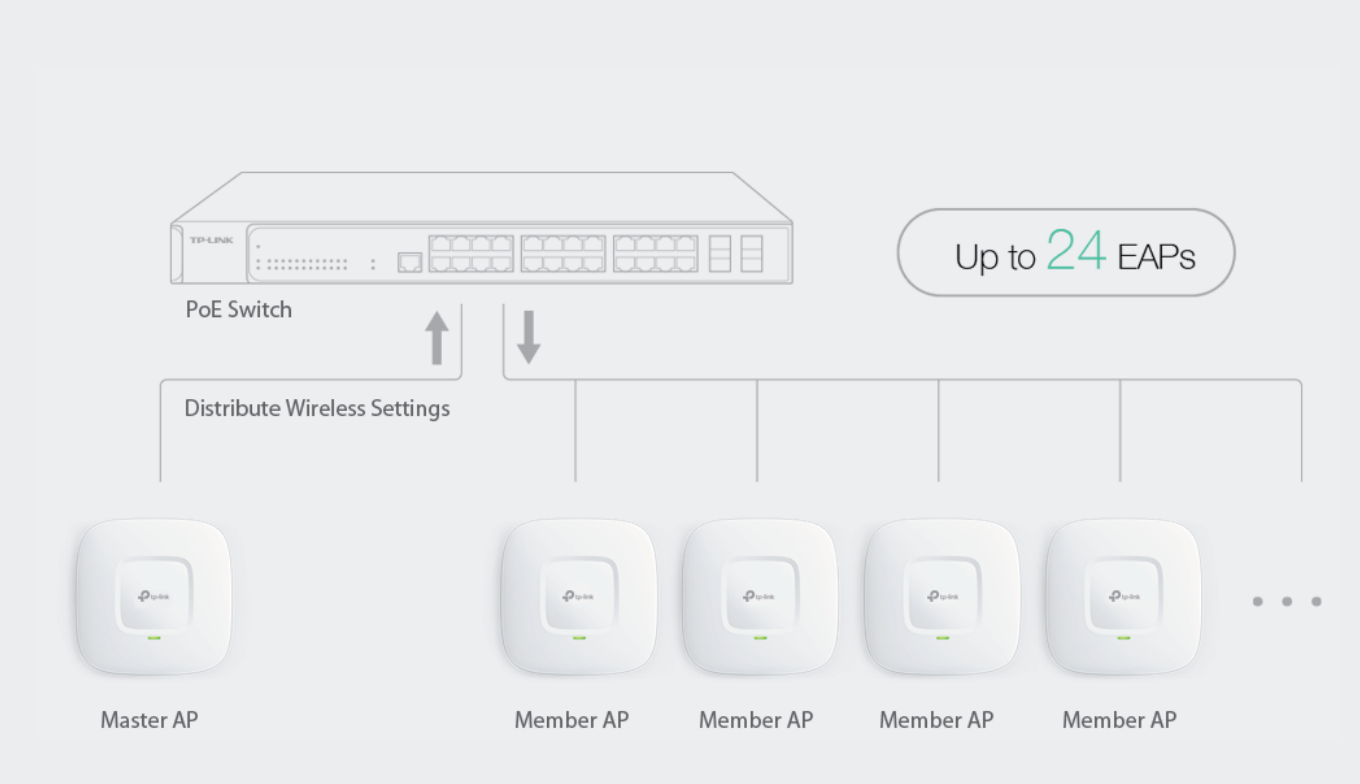
Provides a list of all EAPs, arranged by status, and offers real-time traffic data for each EAP, including the number of connected clients and the amount of data that each client consumes.

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 Auranet EAPs at once. A master Auranet 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 Steer	Rate Limit
Auranet 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 lamp 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

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

Easy Centralized Management

Configure and monitor hundreds of Auranet EAPs with ease using the EAP 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.

Auranet Business Class Wi-Fi Solution

802.11ac Access Points

Picture				
Model	EAP330	EAP320	EAP245	EAP225
Product	AC1900 Wireless Dual Band Gigabit Access Point	AC1200 Wireless Dual Band Gigabit Access Point	AC1750 Wireless Dual Band Gigabit Access Point	AC1200 Wireless Dual Band Gigabit Access Point
Speed	2.4GHz: 600Mbps 5GHz: 1300Mbps	2.4GHz: 300Mbps 5GHz: 867Mbps	2.4GHz: 450Mbps 5GHz: 1300Mbps	2.4GHz: 300Mbps 5GHz: 867Mbps
Ethernet Port	2 Gigabit Ports	1 Gigabit Port	1 Gigabit Port	1 Gigabit Port
PoE	802.3at	802.3at	802.3at	802.3af
Internal Antennas	2.4GHz: 3x6dBi 5GHz: 3x7dBi	2.4GHz: 2x5dBi 5GHz: 2x6dBi	2.4GHz: 3x4dBi 5GHz: 3x4dBi	2.4GHz: 2x4dBi 5GHz: 2x4dBi

802.11n Access Points

Picture						
Model	EAP220	EAP120	EAP115	EAP110	EAP110-Outdoor	EAP115-Wall
Product	N600 Wireless Dual Band Gigabit Access Point	300Mbps Wireless N Gigabit Access Point	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 5GHz: 300Mbps	2.4GHz: 300Mbps	2.4GHz: 300Mbps	2.4GHz: 300Mbps	2.4GHz: 300Mbps	2.4GHz: 300Mbps
Ethernet Port	1 Gigabit Port	1 Gigabit Port	1 10/100Mbps Ethernet Port	1 10/100Mbps Ethernet Port	1 10/100Mbps Ethernet Port	2 10/100Mbps Ethernet Ports
PoE	802.3af	802.3af	802.3af	Passive PoE	Passive PoE	802.3af
Internal Antennas	4x4dBi	2x4dBi	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,EIRP), <23dBm (5GHz,EIRP)	
	Power over Ethernet (PoE)	IEEE 802.3at	
Centralized Management	EAP Controller Software	•	
	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	•	
Supported 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 Properties	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, 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
Name		AC1750 Wireless Dual Band Gigabit Access Point	AC1200 Wireless Dual Band Gigabit 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 300 Mbps (2.4GHz) + 867Mbps (5GHz)
	Internal Antennas	2.4GHz: 3 * 4dBi, 5GHz: 3 * 4dBi	2.4GHz: 2 * 4dBi, 5GHz: 2 * 4dBi
	Transmit Power	CE: <20dBm (2.4GHz,EIRP), <23dBm (5GHz,EIRP)	
	Power over Ethernet (PoE)	IEEE 802.3at	IEEE 802.3af
Centralized Management	EAP Controller Software	•	
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	•	
Supported 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 300Mbps (MCS8-MCS9 VHT20/40, NSS=1 to 3)
	802.11n	6.5 Mbps to 450Mbps (MCS0-MCS15,VHT20/40)	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, 5.5, 11Mbps	
	802.11a	6, 9, 12, 18, 24, 36, 48, 54 Mbps	
Physical Properties	Power Supply	PoE (802.3at-compliant, 36-57V 0.4A) or external 12VDC/1.5A power supply	PoE (802.3af-compliant, 36-57V 0.4A) or external 12VDC/1.5A power supply
	Maximum Power Consumption	12.7W	10.15W
	Mounting	Ceiling/Wall mounting (Kits included)	
	Certifications	CE, RoHS	
	Dimensions (W x D x H)	7.1 x 7.1 x 1.9in.(180 x 180 x 47.5mm)	
	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		EAP220	EAP120
Name		N600 Wireless Dual Band Gigabit Access Point	300Mbps Wireless N Gigabit Access Point
Main Design	LAN Interfaces	Gigabit Ethernet (RJ-45) Port *1	
	Wireless Frequency	2.4GHz and 5GHz	2.4GHz
	Wi-Fi Standards	IEEE 802.11a/b/g/n	IEEE 802.11b/g/n
	Maximum Data Rate	Up to 300 + 300 Mbps	Up to 300 Mbps
	Internal Antennas	4 * 4dBi	2 * 4dBi
	Transmit Power	CE: <20dBm	
	Power over Ethernet (PoE)	IEEE 802.3af	
Centralized Management	EAP Controller Software	•	
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)	8
	Automatic Channel Assignment	•	
	QoS(WMM)	•	
	Airtime Fairness	-	
	Beamforming	-	
	Band Steering	•	-
	Rate Limit	•	
	Load Balance	•	
	Reboot Schedule	•	
	Wireless Schedule	•	
Supported 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	6, 9, 12, 18, 24, 36, 48, 54 Mbps	-
Physical Properties	Power Supply	PoE or external 12V/1.5A power supply	PoE or external 12V/1A power supply
	Maximum Power Consumption	7.95W	4.34W
	Mounting	Ceiling/Wall mounting (Kits included)	
	Certifications	CE, 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;	

802.11n 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	CE: <20dBm
	Power over Ethernet (PoE)	IEEE 802.3af	24V Passive PoE
Centralized Management	EAP Controller Software	•	
	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	•	
Supported 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 Properties	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, 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;	

802.11n 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
	Power over Ethernet (PoE)	24V Passive PoE
Centralized Management	EAP Controller Software	•
Security	Captive Portal Authentication	•
	Access Control	•
	Wireless MAC Address 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
Supported 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 Properties	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
	EAP Controller Software	•
Security	Captive Portal Authentication	•
	Access Control	•
	Wireless MAC Address 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	•
Supported 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 Properties	Power Supply	IEEE 802.3af PoE
	Maximum Power Consumption	2.8W
	Mounting	Wall Plate Mounting
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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