TP-LINK®

Auranet Business Class
Indoor Wi-Fi Solution

MODELS: EAP330/EAP320/EAP220/EAP120/EAP110

EAP Controller Software

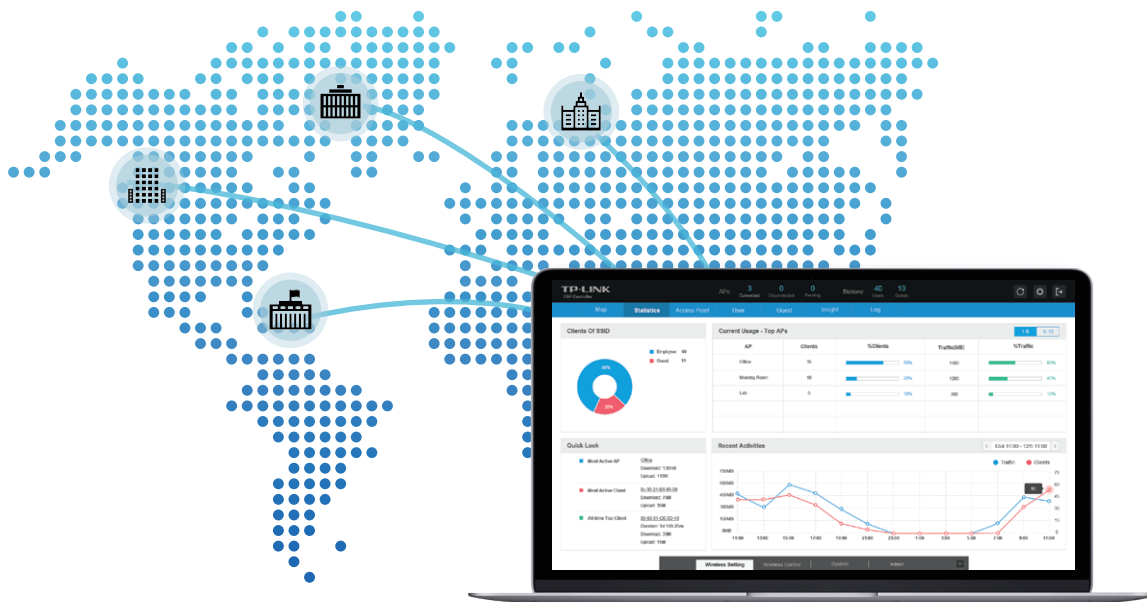EAP330
EAP320

EAP220
EAP120
EAP110

Auranet Solution

MALL	OFFICE	HOTELS	CAMPUSE	········

EAP Controller Software

Business-Class Indoor Wi-Fi Solution

Auranet access points provide a business-class wireless network solution that is flexible, manageable, secure, and easy-to-deploy. The free EAP Controller software allows users to manage hundreds of EAPs at multiple sites 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 standard, MIMO Technology, and TurboQAM combine to ensure excellent performance and reliability.

Centralized Management:

The EAP Controller software makes management easy by providing with centralized configuration options and real-time monitoring capabilities.

Extensive Scalability:

With the capability to manage hundreds of Auranet EAPs, you can easily extend the network as simple as adding more EAPs at any time.

Cost Efficiency:

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

EAP Controller Software

Free | No Additional Expense   **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.

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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 the floor plan and create a clear visual model that reflects your network and its coverage areas.

Statistics

The built-in data visualization tools allow you to quickly analyze network traffic statistics for all connected APs. You can also view graphic representations of recent client and network traffic statistics.
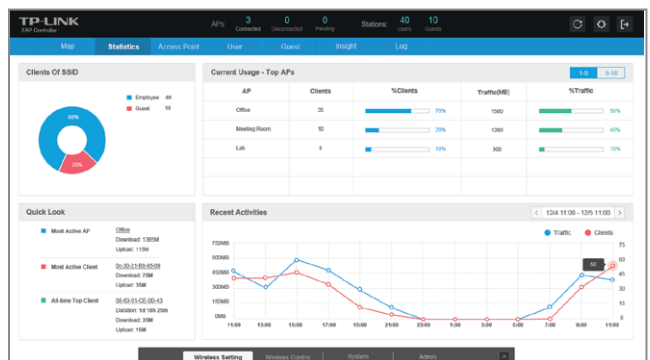

Access Point

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.

Product Features

Easy-Mount Design

The Auranet EAP's ceiling lamp appearance and easy-mount design promote quick installation on any wall or ceiling surface and allow it to blend seamlessly with most interior decorating styles.

PoE Power Supply

With IEEE 802.3af/at PoE, you can use Ethernet cable to transfer both electrical power and network data, making deployment more flexible.

Business-Class Hardware Design

Enterprise-class chipsets offer outstanding performance and support longer running time, higher client capacity, and wider range. Dedicated high-power amplifiers, professional 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

The EAP Controller software can configure and monitor a wide range of Auranet EAPs with ease.

EAPs For Business WLAN Solution

Which TP-LINK EAP is right for you?					
Model	EAP330	EAP320	EAP220	EAP120	EAP110
Product	AC1900 Wireless Dual Band Gigabit Access Point	AC1200 Wireless Dual Band Gigabit Access Point	N600 Wireless Dual Band Gigabit Access Point	300Mbps Wireless N Gigabit Access Point	300Mbps Wireless N Access Point
Speed	2.4GHz: 600Mbps 5GHz: 1300Mbps	2.4GHz: 300Mbps 5GHz: 867Mbps	2.4GHz: 300Mbps 5GHz: 300Mbps	2.4GHz: 300Mbps	2.4GHz: 300Mbps
Ethernet Port	2 Gigabit Ports	1 Gigabit Port	1 Gigabit Port	1 Gigabit Port	1 10/100Mbps Port
PoE	802.3at	802.3at	802.3af	802.3af	Passive PoE
Internal Antennas	2.4GHz: 3x6dBi 5GHz: 3x7dBi	2.4GHz: 2x6dBi 5GHz: 2x7dBi	4x4dBi	2x4dBi	2x3dBi

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Specifications

802.11ac Indoor Access Points

		EAP330	EAP320
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 * 5dBi, 5GHz: 3 * 6dBi	2.4GHz: 2 * 6dBi, 5GHz: 2 * 7dBi
	Max Rf Transmit Power	CE:2.4GHz: 16dBm, 5GHz: 19dBm FCC: 27dBm	CE:2.4GHz: 18dBm, 5GHz: 21dBm FCC: 27dBm
	Power over Ethernet (PoE)	IEEE 802.3at	
Centralized Management	EAP Controller Softaware	•	
	Web-based Management	HTTP/HTTPS	
Security	Captive Portal Authentication	•	
	SSID to VLAN Mapping	•	
	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	14W	13W
	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;	

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802.11n Indoor Access Points

Model		EAP220	EAP120	EAP110
Name		N600 Wireless Dual Band Gigabit Access Point	300Mbps Wireless N Gigabit Access Point	300Mbps Wireless N Access Point
Main Design	LAN Interfaces	Gigabit Ethernet (RJ-45) Port *1		10/100Mbps 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	2 * 3dBi
	Max Rf Transmit Power	CE: 2.4GHz: 26dBm 5GHz: 20dBm FCC: 2.4GHz: 22dBm 5GHz: 20dBm	CE: 17dBm FCC: 26dBm	CE: 16dBm FCC: 26dBm
	Power over Ethernet (PoE)	IEEE 802.3af		24V Passive PoE
Centralized Management	EAP Controller Softaware	•		
	Cluster	24 APs in one Cluster		-
	Web-based Management	HTTP/HTTPS		
Security	Captive Portal Authentication	•		
	SSID to VLAN Mapping	•		
	Rogue AP Detection	•		
	Wireless Encryption	WEP, WPA/WPA2-Personal/Enterprise Encryption		
	802.1X Support	•		
Wireless Function	Multiple SSIDs	16 (8 on each radio)	8	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	6, 9, 12, 18, 24, 36, 48, 54 Mbps	-	
Physical & Environment	Power Supply	PoE or external 12V/1.5A power supply	PoE or external 12V/1A power supply	24VDC/1A Passive PoE Supply
	Maximum Power Consumption	7.95W	4.34W	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;		

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