

TP-LINK®

Aurinet

Business Class Wi-Fi Solution

MODELS: EAP330/EAP320/EAP220/EAP120/EAP115/EAP110



EAP Controller Software

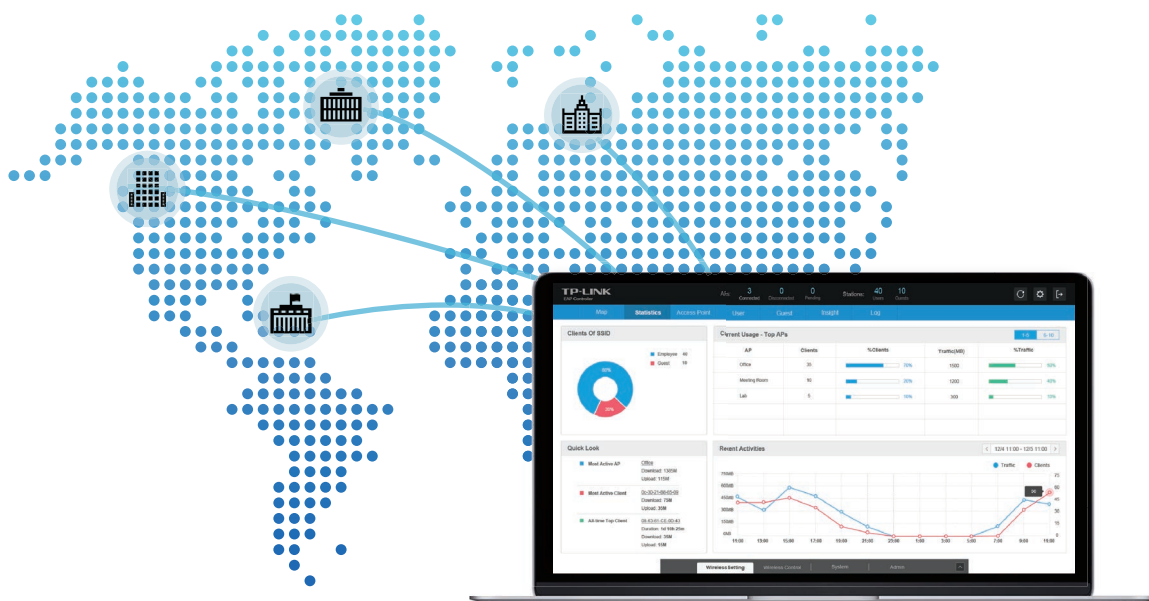


EAP330
EAP320



EAP220 EAP120
EAP115 EAP110

Auranet Solution



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 Auranet solution flexibly supports two low-cost centralized management methods - multi-function Auranet Controller and easy-to-use Cluster mode.

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.

Simple centralized management

For simple and low-cost centralized management, there are two flexible management methods for Auranet solution – multi-function Auranet Controller software and easy-to-use Cluster mode, which supports you to switch between two modes.

1. Advanced 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.



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.

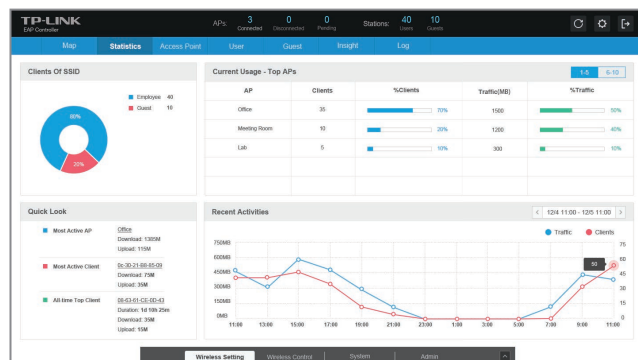


Access Point

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.

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.

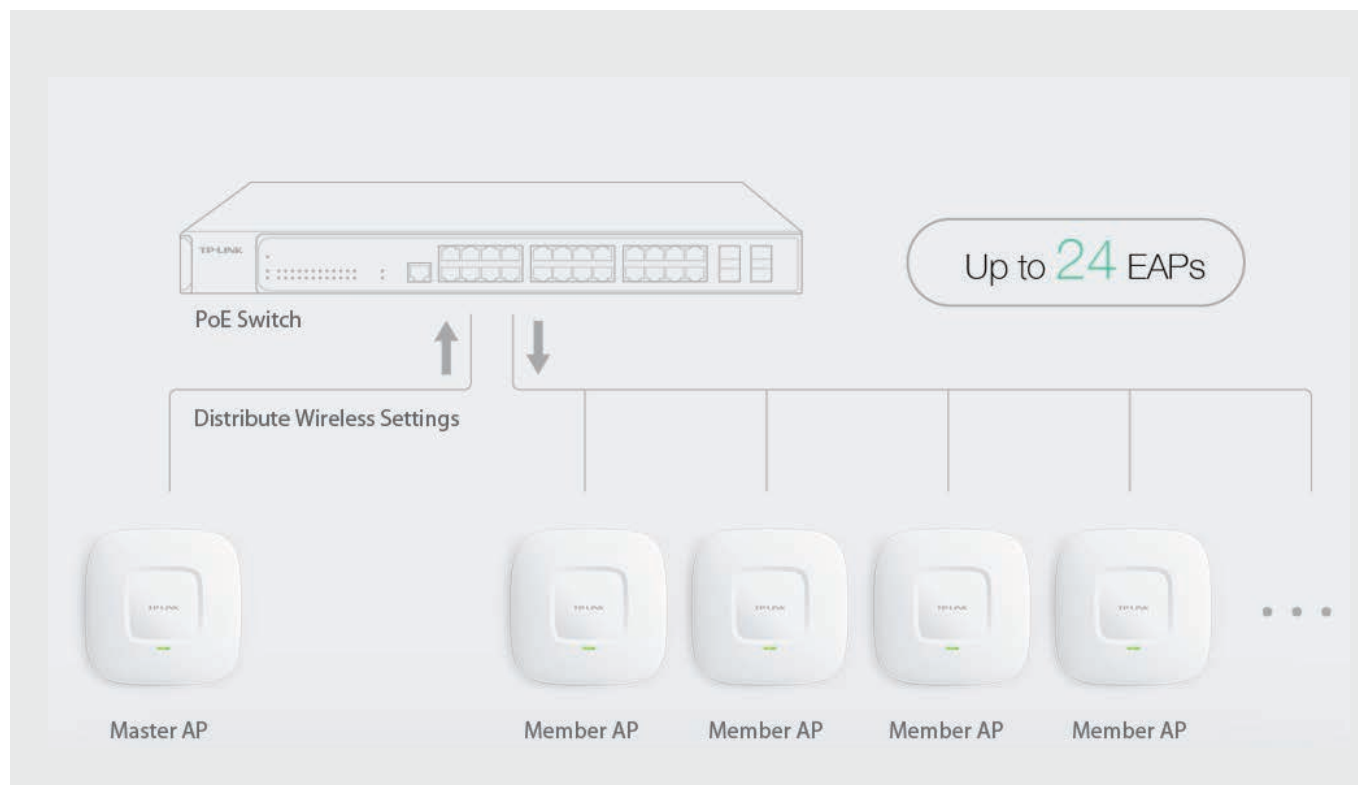


Client

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*

Simple Cluster Mode allows you to manage up to 24 Auranet EAPs as a single cluster. A master Auranet EAP is selected automatically and network administrators can easily manage the entire cluster like managing a general Wi-Fi router via just the intuitive web user interface, without installing any software on PC or expensive hardware controller, but the difference is you don't need to manage all AP one by one, a unified Wi-Fi just needs once configuration, that's so easy.



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 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 or Passive 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. And the cluster mode provides a easy-to-use management way like the general home router.

Auranet Business Class Wi-Fi Solution

| Model | EAP330 | EAP320 | EAP220 | EAP120 | EAP115 | 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 | 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 | 2.4GHz: 300Mbps |
| Ethernet Port | 2 Gigabit Ports | 1 Gigabit Port | 1 Gigabit Port | 1 Gigabit Port | 1 10/100Mbps Port | 1 10/100Mbps Port |
| PoE | 802.3at | 802.3at | 802.3af | 802.3af | 802.3af | Passive PoE |
| Internal Antennas | 2.4GHz: 3x6dBI 5GHz: 3x7dBI | 2.4GHz: 3x5dBI 5GHz: 3x6dBI | 4x4dBI | 2x4dBI | 2x3dBI | 2x3dBI |

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: 3 * 5dBi, 5GHz: 3 * 6dBi |
| | Transmit Power | CE: <20dBm (2.4GHz), <23dBm (5GHz) FCC: <27dBm | |
| | 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 | • | |
| 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 x 193.5x 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; | |

802.11n 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 FCC: <26dBm (2.4GHz), <20dBm (5GHz) | |
| | Power over Ethernet (PoE) | IEEE 802.3af | |
| 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) | 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 |
| | Maximum Power Consumption | 7.95W | 4.34W |
| | 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; | |

802.11n 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 | EAP Controller Software | • | |
| | Cluster | • | - |
| | 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 | 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; | |

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