EAC Series Wireless Access Controller

Quick Start Guide

V1.0.0

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Foreword

General

This manual introduces the installation, functions and operations of the In-ceiling Mount Access Point (hereinafter referred to as "the AP"). Read carefully before using the device, and keep the manual safe for future reference.

Safety Instructions

The following signal words might appear in the manual.

Signal Words	Meaning
DANGER	Indicates a high potential hazard which, if not avoided, will result in death or serious injury.
WARNING	Indicates a medium or low potential hazard which, if not avoided, could result in slight or moderate injury.
CAUTION	Indicates a potential risk which, if not avoided, could result in property damage, data loss, reductions in performance, or unpredictable results.
TIPS	Provides methods to help you solve a problem or save time.
NOTE	Provides additional information as a supplement to the text.

About the Manual

- The manual is for reference only. Slight differences might be found between the manual and the product.
- We are not liable for losses incurred due to operating the product in ways that are not in compliance with the manual.
- The manual will be updated according to the latest laws and regulations of related jurisdictions. For detailed information, see the paper user's manual, use our CD-ROM, scan the QR code or visit our official website. The manual is for reference only. Slight differences might be found between the electronic version and the paper version.
- All designs and software are subject to change without prior written notice. Product updates might result in some differences appearing between the actual product and the manual. Please contact customer service for the latest program and supplementary documentation.
- There might be errors in the print or deviations in the description of the functions, operations and technical data. If there is any doubt or dispute, we reserve the right of final explanation.
- Upgrade the reader software or try other mainstream reader software if the manual (in PDF format) cannot be opened.
- All trademarks, registered trademarks and company names in the manual are properties of their respective owners.
- Please visit our website, contact the supplier or customer service if any problems occur while using the device.
- If there is any uncertainty or controversy, we reserve the right of final explanation.

Important Safeguards and Warnings

This section introduces content covering the proper handling of the device, hazard prevention, and prevention of property damage. Read carefully before using the device, and comply with the guidelines when using it.

Transportation Requirements

Transport the device under allowed humidity and temperature conditions.

Storage Requirements

Store the device under allowed humidity and temperature conditions.

Installation Requirements

WARNING

- Do not connect the power adapter to the device while the adapter is powered on.
- Strictly comply with the local electrical safety code and standards.
- Personnel working at heights must take all necessary measures to ensure personal safety including wearing a helmet and safety belts.
- Do not leave outdoor models of the device hanging in the air or facing outwards when installing onto poles that are on top of buildings.

- Do not place the device in a place exposed to sunlight or near heat sources.
- Put the device in a well-ventilated place, and do not block its ventilation.
- Use an adapter or cabinet power supply provided by the manufacturer.
- Do not connect the device to two or more kinds of power supplies, to avoid damage to the device.
- The device is a class I electrical appliance. Make sure that the power supply of the device is connected to a power socket with protective earthing.
- The device must be grounded by a copper wire with a cross-sectional area of 2.5 mm^2 and a ground resistance no more than 4 Ω.
- Voltage stabilizer and lightning surge protector are optional depending on the actual power supply on site and the ambient environment.
- To ensure heat dissipation, the gap between the device and the surrounding area should not be less than 10 cm on the sides and 10 cm on top of the device.
- When installing the device, make sure that the power plug and appliance coupler can be easily reached to cut off power.
- Outdoor models of the device must be securely installed on poles or brackets that are perpendicular to the ground. Make sure the entire surface of the device and all its related components are covered with anti-oxidation coating (such as rust preventive paint), and that the installation site and height of the device meet the requirements of the plan.
- Install outdoor models of the device on top of buildings where there is little to no direct sunlight to avoid the device becoming overheated. Make sure to take all necessary measures to protect the device.
- Face the side with the Ethernet port downwards, and arrange the wires in a downward direction when installing outdoor models of the device.

Operation Requirements

WARNING

- Do not disassemble the device without professional instruction.
- Operate the device within the rated range of power input and output.
- Make sure that the power supply is correct before running the device.
- When removing the cable device first to avoid personal injury.
- Do not unplug the power cord on the side of the device when the adapter is powered on.

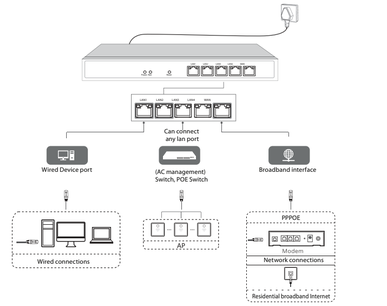
- Use the device under allowed humidity and temperature conditions.
- This is a class B product. In a domestic environment this may cause radio interference in which case you may be required to take adequate measures.

Maintenance Requirements

WARNING

- Do not disassemble it unless necessary.
- Power off the device before maintenance.
- Mark key components on the maintenance circuit diagram with warning signs.

01 Route Connection



02 Route Settings

2.1 Logging in to Device

Connect Lan port of device to PC, login in via 192.168.10.110, ID/Password: admin, as below:

NOTE

Please check the IP address of default port above .

2.2 WAN Port Settings

Select Network Configure > WAN Configure, select the network port to configure, and then configure the information of the external network, as shown in the following image:

Internet access: (choose how to access the Internet according to the actual situation)

ADSL/PPPOE: Fill in bandwidth account numbers and passwords (this type of Internet access is recommended)

Static IP: Fill in IP, mask, gateway and DNS provided by the operator

DHCP: Direct access to lines provided by the operator to obtain IP

Line interruption check: detect whether the line is connected to the network, if the line is not accessible or the linequality is poor, the packet is serious, the route is automatically processed, does not load to the Line. It is recommended to enable line interrupt detection.

2.3 Physical Port Division

This feature supports separate and merge port divisions.When the main road is recommended to use the merge port division, that is, open All LAN ports are one LAN1 port function. If it is bypass mode, it is recommended to turn this feature off.Select the corresponding according to the actual situation Physical port division type, check "Merge all LAN ports as one intranet port (LAN1)."

After the definition of the physical port feature is modified, the route needs to be reconfigured. (Note: The version of the X86 platform does not support Ethernet port merge).

03 AC Management

3.1 AP Device List

The AC controller feature allows centralized management and release configuration of the AP devices connected to it, with parameters including Line channels, SSIDs, transmit power, encryption modes and keys, AP coverage thresholds, number of access users, and VLAN ID, as follows as shown in the figure:

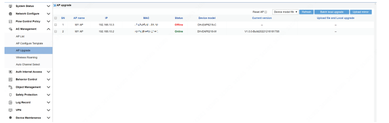
The default configuration issued by AP is achieved by establishing the template, with one template for each model. Only in the AC list should The template of the corresponding model will be released normally. An AP model can also create multiple templates.Apply to the same floor or geography of the same model A scene with a different location.

3.2 AP Device Configuration

AP device configuration, is a single AP or multiple APs in the list of parameter modifications, including the wireless state on or off, The modification of the channel, the modification of the wireless bandwidth mode, the modification of the AP coverage threshold, the modification of the transmit power, and the marking of the device location.

3.3 AP Upgrade Management

AP Upgrade Management allows you to upload the AP version that needs to be upgraded to the device, and then select the AP list in full or selected to upgrade, while also supporting the AP remote upgrade.



04 Authentications

4.1 Enable Authentication to the Internet

Enable authentication Online, means that only , PPPOE dial-up authentication, WEB password authentication, IP authentication, MAC authentication.Users can only access the Internet, for example, allow the user PPPOE dial-up Internet access under LAN1, scertified Internet access , "Certification switch", select LAN1, enablethe authentication network switch, check the type of "PPPOE dial" that allows Internet access, click Save.

4.2 PPPOE Authentications

Users who use PPPOE dial-up Internet access need to enable PPPOE services at the intranet, such as PPPOE services on LAN1.

Select Auth Internet Access > PPPoE Auth, and then select the app.

05 Configure shunt rules

5.1 Configuring Shunt Rules

A single line can not configure a shunt rule; (Network configuration)

Multi-line shunt rule, point Hit Add creates a policy shunt rule, selects the shunt mode, selects which apps the line hosts, and click OK after checking.

NOTE

Multi-line load balancing is achieved by shunt rules.

5.2 Configure Bandwidth Speed Limit Policy

Description: Routing has intelligent flow control function, configuration speed limit strategy, the purpose is to prevent the endonet machine poisoning, or advertising uncontrolled Upload, usually the speed limit up to 100-300KB, the downlink speed limit can be properly liberalized, such as the speed limit of 1000-3000, usually recommended The speed limit does not exceed one-third of the total bandwidth.

For example: a 50M peer fiber, then each machine speed limit up 100-300KB, down1000-3000 KB can be, advanced recommendation configuration P2P The limit allows 70% of the allowed for the upstream and 70% allowed for the downstream. As shown above (ANY means arbitrary, that is, anyone, any time)

06 Safety

6.1 End-network Anomaly Detection

Turn on DHCP detection to detect the presence of other DHCP servers in the intranet; Turn on Loop Detection to check the contentford for loops (for intranet fault positioning).