



X-Cloud

CAPWAP-based Management System



Monitoring and Alerting



Visualize network with Google Maps



Statistical Data Collection and Reporting



Configuration and Maintenance



Smart Discovery

Product characteristics

Monitoring and Alerting

- Support a variety of detection methods to ensure that the device can be successfully on-line in a variety of network architecture
- Support fault warning information, custom fault warning rules, according to the device fault home page remind, pop, mail notification, a variety of ways to warning

Statistical Data Collection and Reporting

- Support the statistics of all kinds of device information, such as the number of online and offline device, and operation log information

Visualize network with Google Maps

- Support the map shows the location of the device, by means of a location information will be automatic positioning equipment to the Google or Baidu map, and the map of the equipment for editing and adjusting, and through offline maps of indoor scene distribution of quadratic precise positioning

Configuration and Maintenance

- Support device running status display, such as online, offline, configuring, and upgrading
- Support batch upgrade device, and can choose automatic or manual upgrade
- Support device name, IP address, location information, wireless parameters and other personalized information remote modification
- Support License management, the number of AC supported device can be managed by the license certificate

Smart Discovery

- Support device key information retrieval, easy to quickly locate the target device in a large number of device list
- Support NTP Server, to facilitate the online device synchronization time

Specification

Performance	
The Number of Managed Devices	100,000
The Number of Supported Templates	Unlimited
Number of Connected Users (STA)	3.2 million

Information Statistics	
Basic Information	
Platform Information Display	Platform name, software version number, IP address, CPU/Memory usage, run time, system time, etc.
Access Point Information Statistics	Total number of devices, number of online devices, number of offline devices
Terminal Information Statistics	Total number of devices, number of online devices, number of offline devices
Alarm Information Display	Home prominently indicating the current number of new alarm log, click on the link to the alarm log window; regularly updated

Device Management	
Access Point management	
Status	Display online, offline, unmanaged, upgrading, configuring, upgrade failed, configuration failed, etc.
Device Name	Display device name
Device Model	Display device model
IP Address	Display device's IP address
MAC Address	Display device MAC address
Software Version	Display the current software version of the device
Running Time	How long the display device is online
Service Template Name	Display the currently used template name
Service Information	Supports the following wireless parameter information display
Working Channel	Display device current channel
Channel Bandwidth	Display the current channel bandwidth of the device
Transmit power	Display the current transmit power level
SSID	Display the current SSID of the device
Location	Display device deployment location
Client Management	
Client List	Display online client devices. Supports the following information display:
Status	Display online, offline, unmanaged, upgrading, configuring,

	upgrade failed, configuration failed, etc.
Device Name	Display device name
Device Model	Display device model
IP Address	Display device's IP address
MAC Address	Display device MAC address
Signal Strength	Display the received signal strength of this client
Connection Rate	Display the connection rate of this client
Software Version	Display the current software version of the device
Running Time	How long the display device is online
Delete	Support to delete offline devices
Equipment Sorting	Supports sorting by column
Group Display	Support to create group information
Client Retrieves	Select the device, click the "Retrieve" button to automatically complete the retrieval process

System Settings	
Basic Settings	
Host Name	Support host name modification
Language	Support the default interface language modification of the current account
Login Timeout	Support timeout configuration: 1 minute/10 minutes/30 minutes/unlimited
Login Information Settings	Support password modification settings
Time Setting	AC supports manual setting of system time
NTP client	Configurable switch; Supports configuration of NTP server address, which is synchronized with the NTP server each time it is powered on. Continuous work is synchronized once every 24 hours.
Network and Security Settings	
Management Protocol	Support CAPWAP management
Data Forwarding	Local forwarding mode
Web Authentication	Supports access authentication for internal and external portals
AAA	Supports internal and external Radius authentication
Access Control	Supports black and white list control access based on MAC, account, SSID access
Authentication Account to Add	Supports the addition, deletion and modification of authenticated accounts
Internet Time Control	Support for increasing, deleting and changing by week and by date
Authentication Statistics	Web authentication statistics (user name, terminal type, mac, authentication type, traffic, up and down time)
SSH Login	Support SSH login
Upgrade Configuration	
Version Upgrade	Support page upgrade
Backup	Download the configuration file (download to local)

Configuration File	Backup configuration file (save to AC)
Recovery	Recovery (cloud recovery)
Configuration File	Local recovery (select local file recovery)
Restore Factory Settings	This button restores AC data to its original state
All AP Reboots	This button enables all online devices to reboot
Device Reboot	AC reboot

Advanced Management

Template Management

Display Method	Display a list of the currently stored template
Template Classification	According to different device types, create, edit, display different templates
Edit	Select existing template for editing
Create	Create a new template with configurable parameters as follows
Network Port	Support network port bridging settings
Country Code	Support China, United States, test mode setting
Channel	Select according to the channels supported by different country codes
Bandwidth	Supports 20/40+/40-MHz bandwidth
Output Power Configuration	Supports high/medium/low three gear configurations
Multi-VAP	Support to set up 8 VAPs, support to open or close
SSID	Support for configuring SSID, support setting Chinese
Hidden SSID	Support for configuring hidden SSID
Client Isolation	Support client isolation setting
TDMA	Support TDMA switch configuration, only bridge template support
Maximum Number of Users	Supports the number of access users, and the configuration range is 1 to 127.
Authentication/Encryption	Supports authentication/encryption mode settings
Automatic Matching	According to the product category of each online device, automatically match the applicable template

Image Management

Display Method	Support list display, display information including image name, version number, image size, upload time, etc.
Upload	Support device image upload and storage
Auto Update	Support switch setting; after the function is enabled, the version number of the device that goes online will be checked, and the device that meets the upgrade rule is automatically upgraded and then goes online.
Batch Manual Upgrade	Select the version, click the function button, pop up the online list box to manually check, after confirmation, automatically upgrade, the device bar shows the upgrade status

Storage Display the system's available storage space

Log Management

Display Method	Category display
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Clear Alarm	The alarm log must be cleared. After the user selects the log, click the Clear Status button.
Storage	Logs are automatically stored to storage space
Log Clear	Delete log files saved in storage space, all statistics are cleared
Log Search	Search in different categories, supporting keyword fuzzy search; For the log box only, historical logs do not support page retrieval

Map Mode	
Online Map	Support Baidu map, Google map display
Automatic Placement	Automatic placement on the map according to the set position information
Manual Deployment	You can drag and edit the location of the device, and the location information is adjusted to the address of the map hint
Information View	MAC and device name are displayed on the device icon. Click to view detailed information: status, device name, device model, IP, MAC, device location, SSID, frequency, number of clients, etc.
Information Editing	You can edit the relevant parameters by clicking on the device on the map: IP, device name, device location, etc. Offline device is not editable and adjusts position but can be deleted
Offline Map	Click offline map to switch to offline map; Drag and drop, position information manually edited; Devices that do not want to be displayed on offline maps can be set to hide; Multiple offline maps can be set; Note: The offline map can be freely placed. The location information of the offline map does not need to be stored locally on the device. It is separate from the online map information.
Connection Method Indication	Connections (wired, wireless) and signal strengths are indicated by different connection colors
Type Distinction	Differentiate bridge access points, APs, and clients by different colors or shapes

Marketing Management	
Message Management	
Message (front-end)	Message: Authentication page provides message function
Reading Management (backend)	Message check: ID, user name, message time, message content (read grayed) Delete message: delete selected messages
Marketing Management	
Authentication Page Selection	You can choose the authentication page display format. Provide multiple modes
Advertising Management	Advertising list: list shows all ads, with a thumbnail Add ads: Ad location, category selection, content editing, image upload Remove ads Ad preview

Advertising
Statistics

Traffic statistics query: traffic statistics query within the specified time

Today's traffic statistics: show today's traffic volume per time

Yesterday's traffic statistics: show the amount of traffic for each time of yesterday

Traffic statistics in the past seven days: shows the daily traffic in the past seven days

Traffic statistics for the month: Showing daily traffic for the month

Statistical data export