

KyAir 3006

Wireless Controller



- Support multiple detection and discovery methods to ensure that devices can be successfully brought online and monitored in various network architectures
- Support alarm information, and can formulate various custom fault warning rules such as reminders, pop-ups, and email notifications on the device fault homepage
- Statistics and Report
- Support statistics of various device information, such as online and offline devices, operation logs, etc.
- Support deploy the network via online map
- Support remote modification of device name, IP address, location information, wireless parameters and other personalized information
- Found and Alarm
- Support online maps, displays location of device and editing. The offline map can distribute secondary positioning for indoor scenes
- Configuration and Maintenance
- Support device running status display, such as online, offline, configuring, upgrading
- Support batch upgrade. Manual or automatic upgrade can be set
- Support authorization management.
- Intelligent retrieval and synchronization
- Support retrieval of key information of the device, and query the target device conveniently
- Support NTP server, convenient for online devices to synchronize time

Product Overview

High-performance wireless controller KyAir3006 is a wireless controller product for next-generation high-speed wireless network launched by Kyland. It can break through the layer-3 network to communication with the AP, and be deployed in any layer-2 or layer-3 network structure without changing any network architecture and hardware devices, thereby providing seamless and secure wireless network control. Initially supports the management of 64 wireless access points, and through the upgrade of the license, it can support the management of a maximum of 2048 APs.

KyAir3006 can implement centralized and visualized management and control for wireless networks. By cooperating with Kyvision or KyView, it can flexibly assist in monitoring wireless access points.

KyAir3006 provides network services through identity-based networking. It realizes the roaming of wireless users in the process of crossing different areas of the entire network, completely satisfies the security and session integrity in mobile roaming, and the data interaction and voice of Wi-Fi voice communication.

Performance Parameters

Hardware Specifications

CPU	Intel Celeron J1900 Quad Core Processor 2GHz
Memory	4GB
Storage	4GB
Interface	10/100/1000M Base-TX x6 USB x2 Console x1
Dimensions	430x300x44.5mm (1U)

Power Consumption	AC 220V 75W
Operating temperature	0°C ~50°C
Ambient Relative Humidity	5~95%RH (non-condensing)

Access quantity

Number of managed devices	2048
Number of templates	1024
Number of users (STA)	65535

Access Management

IP Address	Support modify IP address
Login Password	Support password modification

Information Statistics

Platform Information	Platform name, software version number, IP address, CPU/memory utilization, runtime, system time, etc.
AP information Statistics	Total devices, online devices, offline devices
STA information Statistics	Total STAs, online STAs, offline STAs
Alarm information	The conspicuous position on the homepage prompts the current number of new alarm logs, click to link to the alarm log window; refresh regularly;

AP Management

State	Displays online, offline, unmanaged, upgrading, configuring, upgrade failed, configuration failure, etc.
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Device name	Display device name
Model	Display model
IP address	Display IP address
MAC	Display MAC address
Software version	Display device software version
Operating time	Display device online time
Service template name	Display template name currently
Service information	Display following wireless parameter information
Operating Channel	Display device operating channel
Channel Bandwidth	Display device channel bandwidth
Transmit Power	Display transmit power level of the device
SSID	Display currently SSID
Deployment Location	Display currently deployment location
Client list	Display online CPE. Support following information
Signal Strength	Display client received signal strength
Speed	Display connected client Speed
Software version	Display device software version
Operating time	Display online device connect time
STA list	Display STA information connected to AP. Display the following information
STA type	Displays the type of terminal connected (IOS、Android、Windows, etc.)
IP address	Display sta IP address
MAC address	Display sta MAC address

Management and Edit

Delete	Support delete offline device list
Refresh	Support refresh online information
Device sorting	Supports sorting by column (eg offline, MAC, group name, software version, running time, etc.)
Client Retrieve	Select the device, click the client recovery button, the recovery process is automatically completed, and prompting the user to enable the function will cause the template to change to the recovery mode
Template Management	
Display mode	Displays currently saved templates in list mode
Edit	Select an existing template for editing
NEW	New model version, the configurable parameters are as follows
Country Code	Support China, US, test mode settings
Channel	Choose according to the channels supported by different country codes
Bandwidth	Support 20/40/80MHz bandwidth
Output power configuration	Support high/medium/low three-level configuration, the binning algorithm is the same as that of the access point
Multiple VAP	Supports 8 VAP settings, which can be turned on or off

SSID	Support edit SSID
SSID Hide	Support SSID hide
Client Isolate	Support Client isolate set
TDMA	Support TDMA, Only supported by bridge templates
Maximum users	Support sta limit, range 1~127
Authentication/Encryption	Support authentication/encryption setting
Encryption method	Each online device automatically matches the applicable template according to the product category

Image management

Display	Support list display, including image name, version number, image size, upload time, etc.
Upload	Support device image upload and storage
Auto update	Support switch settings; online devices are checked for version, and devices meet the upgrade are automatically upgraded before online.
Manual update	Upgrade via manual version selection and device

Configuration management

Save	Click Save to save the configured login information, template, device location information, etc. encrypted configuration file and export it to the local computer
Recovery	Click Restore to import the legal configuration file into the device
Map file upload	Click to upload an offline map file, which is convenient for view and configure device information in map mode

Logging

Log classification	Common device operation logs, modification logs and alarm logs
Log upload	Set synchronous upload to remote syslog server
Log delete	Delete the log files saved in the storage space and clear all statistics
Log Search	Search in different categories, support keyword fuzzy search only for those displayed in the log box, history log does not support page retrieval

Map mode

Online Map	Support Baidu Map、Google Map
Automatic deployment	According to the set location information, it will be automatically placed on the map. If the information is incorrect or without information, it will be placed in the default location.
Manual deployment	Drag and drop the device location to edit, and the location information can be adjusted to the address indicated by the map
Information View	MAC and device name are displayed on the device logo. include: status, device name, device model, IP, MAC, device location, SSID, frequency, etc.

Information edit You can edit the relevant parameters by clicking the device on the map: IP, device name, device location, etc. Offline devices cannot be edited or adjusted, but can be deleted

Offline Map Click the offline map to switch to the offline map. Drag and drop, manually edit the location information Devices that do not want to be displayed on the offline map can be set to be hidden. Multiple offline maps can be set

Note: The offline map can be placed arbitrarily. The location information of the offline map does not need to be stored locally on the device, which is separate from the online map information.

Log Timeout Support timeout configuration: 1 minute/10 minutes/30 minutes/unlimited

Log Information Username and password modification settings

Network and Security Settings

Management Protocol Support CAPWAP Protocol

Found Method Support DHCP discovery
Support Static IP discovery
Support Broadcast discovery

VLAN Support VLAN settings

Update

Software update Support http

Interrupt time ≤ 7 min

System Settings

Platform name Support Platform modification

Size



Ordering Information

Product Model	KyAir3006
Port	6 100/1000MBase-T RJ45 ports, 2 USB interface, 1 Console port
Power supply	AC 220V

