wisCloud Controller

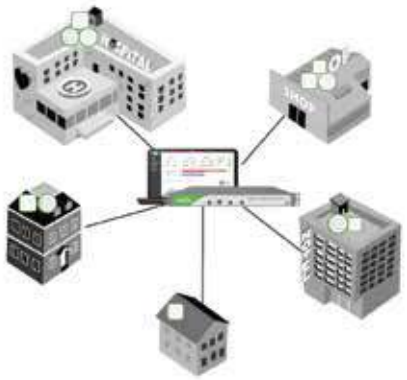
Model:WCAC

WisCloud Controller is a carrier grade Wireless Network Management System developed by Wisnetworks. It supports the full range of Wiscloud APs centrally management and monitoring tasks for network administrator. It is integrated powerful features to control multiple and distributed APs in a high effective approach.

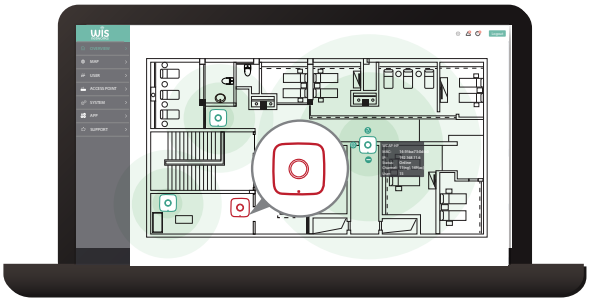
Features

Cloud-based Configuration

WisCloud controller provides wireless network management from anywhere instead of on-site. With powerful and intuitive platform, it enables batch management for all registered access points, including the one-button configuration of all AP which makes it quite convenient to update and maintain.



Cloud-based configuration



Expedite Troubleshooting

Wireless Map

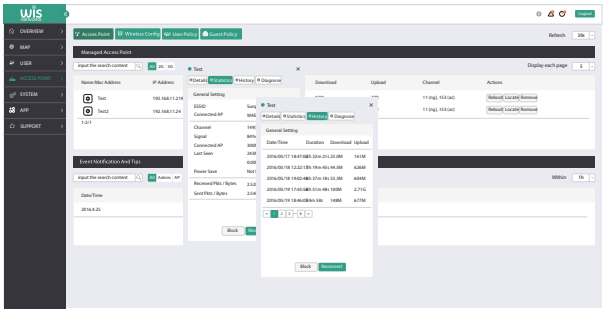
Through wireless map function, administrator is intuitive and convenient to monitor each AP health status in the network along with the number of users and network coverage quality. For the failure of AP can be quickly positioned so as to speed up the troubleshooting.

L2 / L3 Auto-discovery

AP would be auto-detected by controller in the same WLAN network. In the condition of Layer 3 or access controller deployed in the could, using provided utility could make all AP devices being discovered by AC in few minutes.

Real-time Status

Real-time statistics provide for network online APs /users signal and interference monitoring. For network history traffic record can be traced from 24hours to 30days.



Real-time Statistics

Load Balancing

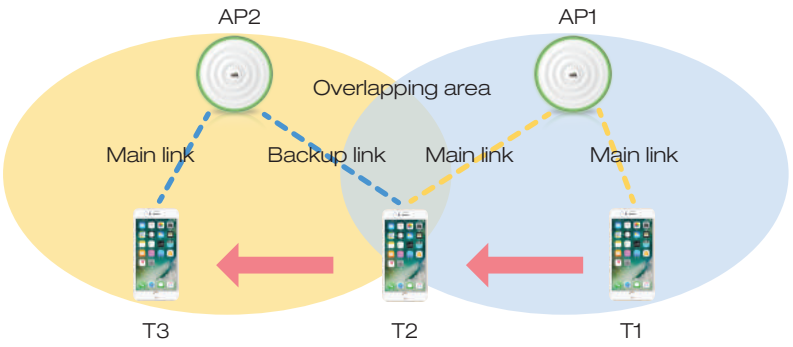
Wiscloud system is equipped with intelligent user load balancing, thus making the product either applicable to the sparsely populated rural condition or hi-density population city or large conference and exhibition and ensuring each AP to work in maximum efficiency to build a stable and permanent wireless network.

Wi-Fi System without Load Balancing

Wi-Fi System with Load Balancing

Seamless Roaming

WisCloud controller embeds a kind of WLAN optimization function to realize zero sense roaming. It makes the Wi-Fi experience more smooth while switching connection between two access points with zero packet loss.



Seamless Roaming

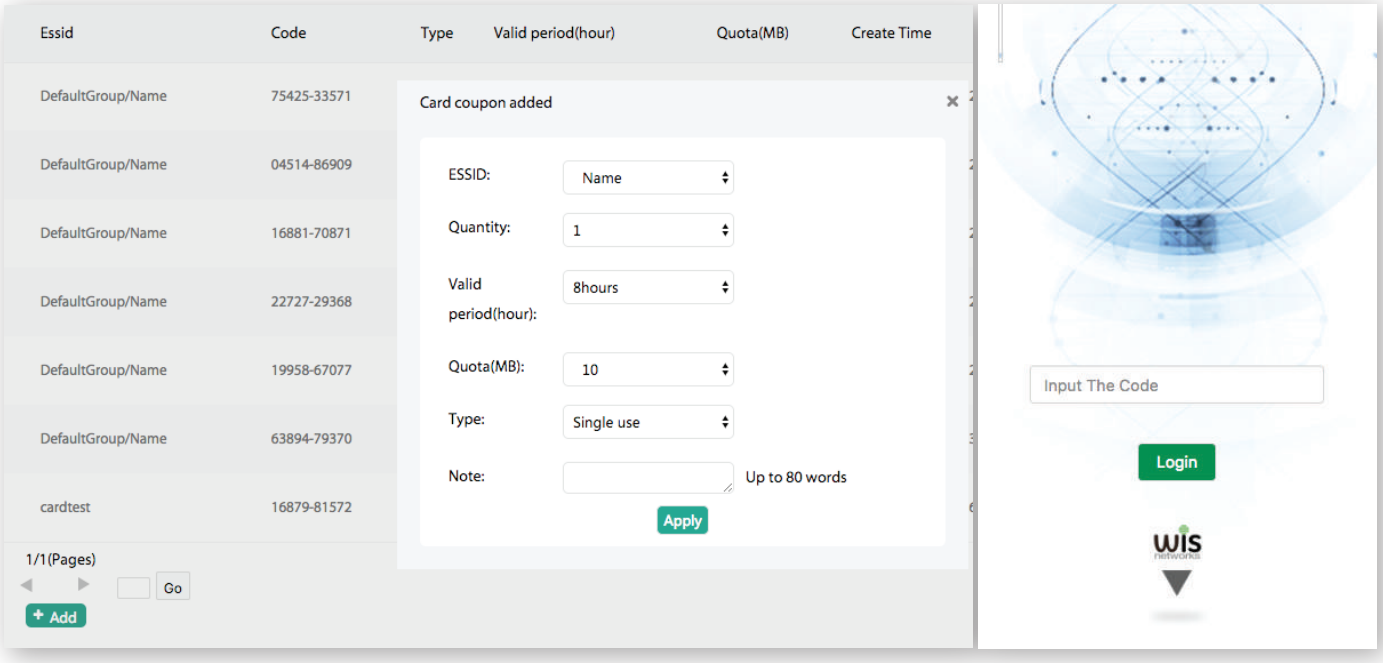
Customizable Captive Portal

WisCloud controller could help to configure different portal pages due to SSID authentication capability. Customizable captive portal promotes the specific business ad to attract targeted audience for different merchants.

Customizable Captive Portals

Voucher Certification

We take fee-based Wi-Fi service into account when focusing on the billing server. One Wi-Fi user logs in by the given registeration account, he could select the Wi-Fi service(diff. duration/speed) mannually with different charge.



Voucher Certification

Specifications

WisCloud Controller

Physical Characteristics	
Processor	Dual-Core 1.8GHz CPU
Memory	2GB DDR RAM
Hardisk	8G SSD
Ethernet	1*10/100/1000Mbps Data Port,1*10/100/1000Mbps Management Port
LED	Power& SSD Indicator
Other Interface	2*USB2.0,1 Console RJ-45 port
Power	Input: 110 – 240V AC,Output:12VDC/5A
Weight	2.2 kg
Temperature	Working Temperature:10℃~60℃,Storage Temperature： -20℃~70℃
Relative Humidity	5%-95%,no-condensing
Installation	Desk-top & Rack-mount
Dimension	430mm*250mm*46mm (19 inches, 1U)
Management	
Configuration	Web GUI, CLI
AP Provisioning	L2 or L3 auto-discovery,Auto online software upgrade
Traffic History	Supported
Capacity	
Managed APs	Unlimited
Concurrent Users	Unlimited
Network Architecture	
IP	IPv4 / IPv6
VLANs	802.1Q (8 BSSID per radio)
Redundancy	1+1 with auto-synchronization
Wireless	
Wireless Security	WEP, WPA-PSK, WPA-Enterprise (WPA/WPA2, TKIP/AES)
Access Control	L2 (MAC address-based), L2 client isolation
Wireless Intrusion Detection (WIDS)	Rogue AP detection
802.11e/WMM	Supported
Rate Limiting	Supported
Wlan Group	Supported
RF Management	Automatic channel and power optimization
Client Load Balancing	Automatic
Guest Access	Supported
Captive Portal	Supported
Mesh(Wireless Uplink)	Supported