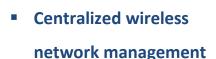


# WSC610 Intelligent WAC Controllers

# **WSC610 Series**



- Multiple networking modes
- Wireless IPS/IDS, Layer-2
   user isolation, centralized
   ACL control
- All-round QoS mechanism



The WSC610 Series is a high-performance wireless access controller built on a multi-core hardware platform. Designed for reliability, stability, and versatility, it integrates a wide range of services and functions to meet the needs of operators, enterprises, and diverse network environments.

This series supports CAPWAP protocol, providing strong WLAN access control with features such as automatic channel management, wireless frequency adjustment, user load balancing, and seamless roaming. It also offers flexible web portal authentication methods, including local, guest, SMS, and SNS options, ensuring secure and convenient user access.

With an emphasis on ease of use, the WSC610 Series delivers simple operation through straightforward configuration, maintenance, and fault recovery. Its user-friendly design includes wireless one-key optimization, batch LED control, and energy-saving functions, while its integrated service structure (AC/Portal/Gateway) makes it a cost-effective solution for modern wireless networks.



# **Key Features** -

- Support centralized wireless network management
- Support multiple networking modes including centralized forwarding and local forwarding
- Support following functions which ensure centralized and safe network access: WEP/ WPA/802.1x,
   Wireless IPS/IDS, Layer-2 user isolation, centralized ACL control
- Support Portal 2.0 and WiFidog interface
- Support all-round QoS mechanism

# **Model Lists** -

## WSC610-NC128



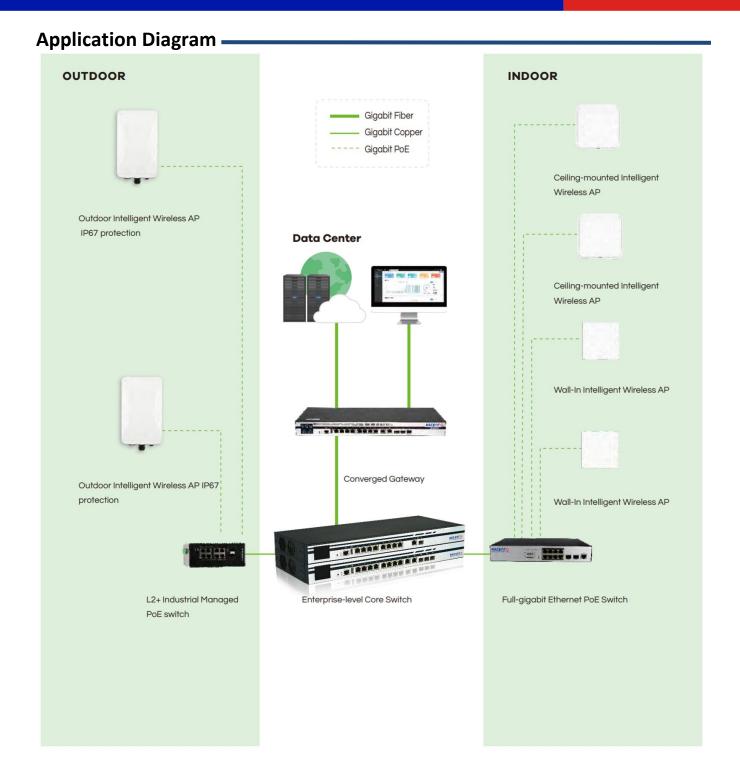
- 1-Port Console(RJ45)
- 1-Port USB2.0
- 1-Port Gigabit RJ45/SFP combo WAN
- 8-Port Gigabit RJ45 LAN
- LCD Screen
- Built-in 128 AP license, expandable to 256

## WSC610-NC256



- 1-Port Console(RJ45)
- 1-Port USB2.0
- 1-Port 10G SFP+ WAN
- 2-Port Gigabit RJ45 WAN
- 2-Port Gigabit SFP WAN
- 8-Port Gigabit RJ45 LAN
- LCD Screen
- Built-in 256 AP license, expandable to 2048







# Specifications -

# **System Performance**

Item Interface		WSC610-NC128	WSC610-NC256
Port		1-Port Console(RJ45) 1-Port USB2.0 1-Port Gigabit RJ45/SFP combo WAN 8-Port Gigabit RJ45 LAN	Port Console(RJ45) 1-Port USB2.0 1-Port 10G SFP+ WAN 2-Port Gigabit RJ45 WAN 2-Port Gigabit SFP WAN 8-Port Gigabit RJ45 LAN
Button		Mode/Reset	Mode/Reset
Performance		,	,
User Capacity		3K	25K
AP Capacity		128 to 256	256 to 1028
Flash		4GB	16GB
DRAM		1GB	4GB
DHCP Table		2K	2K
ARP Table		10K	60K
VLAN		4K	4K
Apperance			
Chassis	Dimensions (WxDxH)	440mm x 180mm x 44mm	440mm x 180mm x 44mm
	Weight (empty)	2.3Kg	2.3Kg
Package	Dimensions (WxDxH)	500mm x 320mm x 80mm	500mm x 320mm x 80mm
	Weight	3.3Kg	3.3Kg
Power Supply		AC 100 to 240V 50/60Hz	AC 100 to 240V 50/60Hz
Consumption	No-Load(W)	12	32
	Full-Load(W)	20	50
Working Temperature		0°C to 50°C	0°C to 50°C
Operating Humidity		10%~90%	10%~90%
		(non condensing)	(non condensing)
Features			

# F

Item	Description
IP Protocol	Direct IP connection, static route
	DHCP Server/Client/Relay
	NTP Server
	FTP Server
	L2 or L3 forwarding between AC and external network
AC Function	Switching load from troubled AC to another normal AC (The switch over policy can be set)
	Port redundancy: multi-port binding
	Connecting AP/AC via L3 security tunnel
	Centralized, distributive and hybrid exchanges of L2 services
	Inner-AC or inter-AC roaming
	Centralized forwarding
	Forwarding all services after being centralized on AC
	Distributive forwarding
	Forwarding some AP or SSID services on a thin AP locally
	RTLS



Item Description

Standard 802.11 a/b/g/n/ac/ax

802.11 a/b/g/n/ac/ax 802.11i, 802.11e 802.3, 802.3ab, 802.3u

802.3x, 802.3z, ARP, Reverse ARP

multi-LAN ARP/Proxy ARP STP/802.1Q L2 forwarding

RFC791 IP, RFC792 ICMP, RFC793 TCP, RFC768 UDP

RFC854 Telnet, RFC1542 BOOTP RFC1191 Path MTU Discovery

RF management Automatic channel

Static channel configuration

Automatic channel configuration when AP is powered Automatic channel configuration when AP is running

To set an automatic channel choice list

Automatic transmitting power To set the static transmitting power

The automatic transmitting power for coverage remedy

The STA-based automatic transmitting power to improve the throughput

Automatic rate

The STA-based automatic rate choice
To limit the maximum transmitting rate

AAA RADIUS Client

Multi-domain configuration of the authentication server

Connection of active and standby authentication/charging servers Isolation of the authentication server and the charging server

PPPoE authentication Portal authentication AAA accounting Open system

WEP

WPA/WPA2 PSK

802.1x 802.11i WAPI

**DDOS** prevention

ACL

Wireless IPS/IDS Illegal AP detection Illegal terminal checkup Isolation of users' services

Whitelist

Static/dynamic blacklist

**URL** filter

Management Pallas cloud platform

Local interconnection based on WEB/SSH

Remote control via SNMP access

Uniform network management via OMC

SNMP v2/v3

MIB-II(RFC1213), which is based on TCP/IP Internet management base

RFC1537, which is a developing protocol of MIB-II

RFC1643

ISO/IEC 8802-11:1999

Security



Item Description

IEEE802.11b

ISO/IEC 8802-11:1999/Amd 1:2000

MIB that is defined by IEEE 802.11g and IEEE 802.11i

QoS User's flow control

The domain-based flow control (taking VLAN or SSID as the configuration domain)

User-level flow control or flow control based on the contract information of the Radius server

Service priority

802.11e, which provides different services according to session's priority

To map users' QoS levels according to SSID 802.1p and L2 packet's priority mapping

Load balance and control

AP/AC interconnection based on priority and load

Load balance between adjacent APs on the basis of user quantity and flow

# **Ordering Information**

Product Name	Product Description
WSC610-NC128	WSC610 Series Intelligent AC Controller, 1 CON, 1 GE-Combo, 8 GE-LAN, Maximum 128 APs, 220VAC power supply
WSC610-NC256	WSC610 Series Intelligent AC Controller, 1 CON, 1 10GE SFP+, 2 GE SFP, 2 GE TX, 8 GE- LAN, Maximum 256 APs, 220VAC power supply



# **Contact Information**





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