Niveo Professional Full Managed Wireless Solution

Wireless Controller System with AC Dual-Band Access Points

Description

The Niveo Professional WAC series consist of a Niveo NWAC7000 Wireless AP access controller and up to 300 Niveo Wireless Access Points(both NWA300 and NWA220), providing centralized deployment.

NWAC7000

The NWAC7000 is compatible with both indoor Niveo NWA300 AP's and outdoor NWA220 CPE, so any installer can make any combination necessary for hassle free wireless coverage. It manages, controls and monitors Wireless AP's simultaneously in a same network. It supports PPPoE, Static IP, Dynamic IP and PPTP, with 5 10/100/1000Mbps RJ45 Ports, with function of QoS, MAC filter and Tag VLAN.

Automatically detecting and management of wireless APs

1. Auto-IP detection and assignment: NWAC7000 can detect all connected wireless AP, then assign an IP address for each AP automatically;
2. Manage and control: NWAC7000 can set AP's SSID, Password, channel at the same time. Automatic upgrading firmware, restarting, resetting, adjustment of subscriber's QTY, wireless coverage, transmit power, making the wireless signal more stable, improving wireless networking quality.
3. Real Time Monitor and Analyze: NWAC7000 will monitor and analyze wireless AP all the time, then show AP's working status on, making maintenance easier and simpler for the installer.

Quality of Service(QoS) function

The NWA7000 supports Quality of Service based on bandwidth control, adopt bidirectional bandwidth control based on IP and MAC. It avoids BT, Thunder and other P2P applications to take excessive bandwidth, and minimizes low throughput, dropped packets, errors and latency.

Technical Data of the NWAC7000	
Controller NWAC7000	Easy to understand Graphical user Interface Management by web Interface
Access Point	Supports management up to 300 Aps Secure Guest Networks via VLAN Support 64/128-bit WEP security, 128bit WPA (TKIP/AES) security
Interface	5 10/100/1000M Gigabit RJ45 Port 1 Reset Button
Power	Internal Switches Power 100-240V～ 50/60Hz Power consumption:<5W
Dimensions	440mm x200 mm x 45mm

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Interface	5 10/100/1000M Gigabit RJ45 Port 1 Reset Button (press 15 seconds for default)
Dimension	440mm x200 mm x 45mm 17,32" x 7,87"x 1,77"
LED	Power, Ethermet Activity
Certifications	FCC, CE, RoHS
Compatible Access Points	NWA300 NWA220

NWA300: 11AC 1200 Mbps Indoor Access Point

The NWA300 is an Atheros Chipset Manageable Enterprise Ceiling Wireless Access Point with the next generation 802.11ac Wi-Fi standard, combined 1200Mbps Wi-Fi speed over 2.4GHz(300Mbps) and 5GHz(900Mbps).

More power and Beamforming technology for more range and stable signal, RF power adjustment and frequency analyzer

The NWA300 has a two-line Power Amplifier designed on the PCB board with 5dBi MIMO high gain antennas that increases the WiFi range significantly and offer a very stable wifi signal for all wireless devices.

Power over Ethernet

The NWA300 comes with integrated IEEE802.3at Power over Ethernet (PoE), for easy installation and eliminating the mess of altering existing network infrastructure.

Secure Guest Networking

The NWA300 has Multiple SSID (4 SSID for 2.4G, 4 SSID for 5.8G) for separating and securing different networks.

Energy-Efficient Ethernet (EEE)

Compliant to the IEEE 802.3az standard for less power consumption during periods of low data activity.

Technical Data of the NWA300	
Chipset	Atheros QCA9563 + QCA9882 +QCA8035
Standards Compliance	IEEE, 802.11b/g/n, 802.11a/n/ac, 802.3at, 802.3az
Antenna	3 x Dual band 5dBi MIMO Antennas

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LEDs	Power, Traffic Firmware can be modified to turn off LEDs
Interface	1 * 10/100 /1000Mbps RJ45 WAN Port
	1 * Reset button, press 15 seconds to revert to default setting
Power consumption	48V PoE<30W
Size	L: 410mm, W: 20.5mm, H: 105 mm
Weight	3KGS
Firmware Features:	
Operation mode	Wireless AP, Gateway, WISP, WiFi Repeater
WAN Type	Dynamic IP/Static IP/PPPoE/L2TP(Dual Access) /PPTP(Dual Access)
Wireless Security	64/128-bit WEP, WPA / WPA2, WPA-PSK/ WPA2-PSK encryption
SSID	Multiple SSID (4 SSID for 2.4G, 4 SSID for 5.8G)
Firewall	DoS, SPI Firewall, IP Address Filter/MAC Address Filter/Domain Filter IP and MAC Address Binding
Package Contents	1200Mbps Dual Band wireless access point Ethernet Cable; Quick Installation Guide; Setting Accessory
System Requirements	Microsoft Windows 98SE+ Windows 8, Windows 10, MAC OS, NetWare, UNIX or Linux
Environment	Operating Temperature: 0~40 ℃(32 ℉~104℉) Storage Temperature: -40~70 ℃ (-40 ℉~158℉) Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing
Management	Firmware GUI, Remote Management, WLAN Controller, Cloud Management System

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NWA220: 11AC 1200 Mbps Outdoor Access Point

The NWA220 is a high power industrial use Outdoor CPE with the next generation 802.11ac Wi-Fi standard, combined 1200Mbps Wi-Fi speed over 2.4GHz(300Mbps) and 5GHz(900Mbps).

ABS waterproof, dust proof and sunscreen shell, temperature adaptive and board protective

The NWA220 comes with ABS waterproof, dust proof and sunscreen shell, avoiding damage from dust.

High Power for more range and stable signal

The NWA220 has a two-line Power Amplifier on the PCB board, with a maximum of 1000mW. The 18dBi MIMO high gain antenna enables a very wide WiFi range.

Power over Ethernet

The NWA220 has integrated IEEE802.3at Power over Ethernet (PoE), for easy installation in areas where power outlets are not readily available, eliminating the need of altering existing network infrastructure.

Technical Data of the NWA220	
Chipset	Atheros QCA9563 + QCA9882 +QCA8035
Standard	802.11ac/b/g/n, MIMO technology
Memory	128MB DDR2 RAM
Flash	16MB
Interface	1 * 10/100 /1000Mbps RJ45 WAN Port
	1 * Reset button, press 15 seconds to revert to default setting
Antenna	Build in 18dBi Panel Antenna
Power consumption	48V PoE<30W
Size	L: 410mm, W: 20.5mm, H: 105 mm
Weight	3KGS, 6.6LBS
Firmware Features:	
Operation mode	Wireless AP, Gateway, WISP, WiFi Repeater
WAN Type	Dynamic IP/Static IP/PPPoE/L2TP(Dual Access) /PPTP(Dual Access)
Wireless Security	64/128-bit WEP, WPA / WPA2, WPA-PSK/ WPA2-PSK encryption
SSID	Multiple SSID (4 SSID for 2.4G, 4 SSID for 5.8G)

Firewall	DoS, SPI Firewall, IP Address Filter/MAC Address Filter/Domain Filter IP and MAC Address Binding
Protocols	IPv4
Others:	
Package Contents	1200Mbps Dual Band wireless access point Ethernet Cable Quick Installation Guide Setting Accessory
System Requirements	Microsoft Windows 98SE, NT, 2000, XP, Vista™ or Windows 7, Windows 8, Windows 10, MAC OS, NetWare, UNIX or Linux
Environment	Operating Temperature: 0~40 ℃(32 °F~104°F) Storage Temperature: -40~70 ℃ (-40 °F~158°F) Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing
Management	Firmware GUI, Remote Management, WLAN Controller, Cloud Management System