NWA100

Niveo Professional

900M Dual-Band, Dual-Radio Higher Power
Access Point

NWA100 Dual-Band High Power Fat Access Point

The Niveo Professional NWA100 Wireless Access Points is specifically designed to operate in set-ups for both Residential and commercial applications. The optimal signal of the 2 separate wireless radio modules assure full coverage, whether in old buildings or modern structures. Working on 2.4GHz (450M) and 5GHz(450M) simultaneously, wireless *speed up to 900 Mbps*, enabling users to enjoy high speed surfing, but also allows for very *stable connectivity of control systems* and the possibility of bridging and providing access simultaneously.

The very stable operating devices minimize the occurrence of auto resets and prevent faulty start-ups after resetting. The flexible and simple web interface facilitates a fast, time saving configuration process for the installer.

Designed with the End-user in mind

The AP is designed with the end-user in mind. The very inconspicuous exterior makes sure it can be installed in most residential and commercial spaces. Even the Led lights of the AP's can be disabled for installation in sleeping quarters.

Simulated roaming

Niveo Professional's "*Simulated Roaming*" technology allows for the roaming of client devices between the AP's without the need for expensive Access controllers.

The Access Points are built to make life of the installer easier. The simple to mount bezel allows for quick installation in a *twist-and-click* motion.

The NWA100 can be powered fully with PoE (*Power over Ethernet*), avoiding the need for power cabling throughout the building.

The managed Access Points can be configured in up to 8 separate SSID's, to allow for simulating different wireless networks like a *guest network*. These networks can be configured to give different users, different rights that are specific to each user and their individual needs (e.g. access the network or dedicated parts of the network, access internet or just intranet, use VoIP, stream video, etc.).

The NWA100 offers multiple security modes, which makes your data transmission safer. The Unified Management Utility based on X86 allows network administrators to centrally manage IP Address, SSID, Security Settings and etc for all the LAN APs.
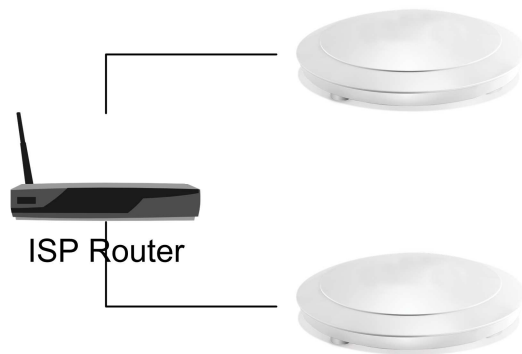
Applications

The NWA100 dual band, dual radio wireless access point can be deployed in a wide array of situations for both residential and commercial applications.
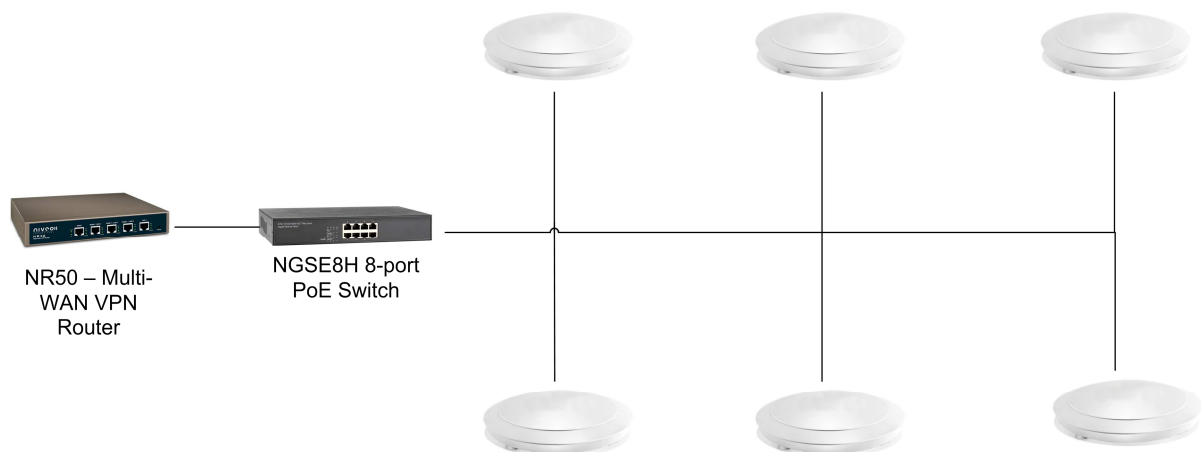
Up to 3000 square ft

Small Commercial or Residential setup, with 1 or 2 access points connected to the ISP router and power by the injectors, to provide cost effective connectivity.

ISP Router

Up to 11.000 square ft

Mid Size Commercial or Residential setup, with 6 access points connected to a Niveo PoE switch for power and connectivity and through the Niveo NR50 VPN router for ultimate secure outside connectivity.

NR50 – Multi-
WAN VPN
Router

NGSE8H 8-port
PoE Switch

Larger setups

For setups larger than 11.000 sq ft, Niveo Professional recommends to us of the Niveo Network access Controller.

SPECIFICATION

Wireless			
Standard	IEEE 802.11a/b/g/n		
Speed	900 Mbps Compatible with A/B/G/N IEEE 802.3u/af/at		
Modulation	802.11a:QAM/BPSK / QPSK 802.11b: DSSS / BPSK / QPSK / CCK 802.11g: OFDM / DSSS / BPSK / QPSK / CCK 802.11n: OFDM / DSSS / BPSK / QPSK/CCK		
Channel	13: (Ch.1-13) for 2.4G 149~165 for 5G		
Frequency band	2.412GHz-2.472GHz for 2.4G 5.725GHz-5.825GHz for 5G		
Transmission Power	11a	1Mbps - 54Mbps	21~22 dBm
	11b	1Mbps - 11Mbps	26.5~27.5 dBm
	11g	6Mbps - 9Mbps	26 dBm
		12Mbps - 18Mbps	25 dBm
		24Mbps - 36Mbps	24.5 dBm
		48Mbps - 54Mbps	23.5 dBm
	11n	MCS 0-7	23 dBm
		MCS 8-15	23 dBm
		MCS 16-23	23 dBm
Sensitivity	802.11A: -75 dBm 802.11B: -95 dBm 802.11G: -78 dBm 802.11N（HT20）: -74 dBm 802.11N（HT40）: -70 dBm		
Encryption	WEP, WPA-PSK, WPA2-PSK, mix WPA/WPA2-PSK,AP isolation,Hidden SSID		
Hardware			
Ports	2 X 10/100/1000-BaseTX port		
Button	1 X Reset		
LED	1 x Power, 2X Wireless(2.4G+5G)		
Chipset	BCM4706		
Flash	8MB		
SDRAM	128MB		
Antenna	6*4.5dbi internal antenna		
Power Consumption	25W (full load)		
Software			
Standard Version	Bandwidth: 20MHz, 20/40MHz Wireless Mode: 11a/n mixed, 11 b/g/n mixed, 11 b/g mixed, 11g only, 11b only		
Mode	AP Mode, WDS Mode,P2P,P2MP bridge mode		
Wireless Safely	WEP, WPA-PSK, WPA2-PSK, mix WPA/WPA2-PSK		
SSID No	8（2.4G）		
Factory Default Settings	Yes		
Centralized management by software	Yes		

Function	WDS(Bridge/Repeater) MAC Filter Ping/Tracerouter Web network management System log view LED Control
Environment	
Operating Temperature	-10ºC~45ºC
Storage Temperature	-30~70ºC
Relative Humidity(Operational)	10%~90%,noncondensing
Relative Humidity(Storage)	10%~90%,noncondensing
Certification Compliant	
3C,CE,FCC Class B	
Package Content	
1*NWA100 1*Power Adapter 1*Ethernet cable 1*PoE Injector 1*Bracket 5*Screw 1*Quick Install Guide 1*CD(User Manual and Quick Installation Guide)	
Dimensions	
Unit Dimensions	200X36mm(diameter*height)
Gift Box	300*240*75mm
Master Carton	500*395*325mm

NIVEO))

PROFESSIONAL

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Niveo Professional Distributor

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