



Niveo Professional NWA3000

11ax 3000Mbps Ceiling Wireless AP



Description

Combined 3000Mbps Wi-Fi speed over 2 radios: 2.4GHz (600Mbps 11ax 2*2) + 5GHz (2400Mbps 2*2), equipped Gigabit WAN & LAN ports, support MU-MIMO and DL/UL-OFDMA modulation

Main Features

- Comply with 11ax 2x2 MU-MIMO, 160MHz, dual band with 3000Mbps data rate;
- High power up to 24dBi, more wireless range;
- Support Seamless roaming, TWT, OFDM...
- 128+ end users

Power over Ethernet

The NWA3000 comes with integrated IEEE802.3at Power over Ethernet (PoE), for easy installation and eliminating the mess of altering existing network infrastructure.

Access Controller System

The NWA3000 can work as either a FIT or FAT AP. Use FAT AP mode to work as a stand alone AP(can be configured to ROAM with adjacent Aps) or work in FIT mode together with Niveo Professional NWAC64 Access Control System, for easy advanced remote network settings, like AP status monitor, change IP address, ESSID, Channel, Password, upgrade firmware, multi authentication, backup and restore.

Hardware Specification

Chipset	IPQ5018+6024
Standard	802.11ax/ac/b/g/n
Flash	SPI NOR 8MB (1.8v) + NAND 128MB
DDR3L	512MB
2.4G Frequency	2.4GHz - 2.484GHz
2.4G Wi-Fi standard	802.11b/g/n/ax
5.8G Frequency	4.9~5.9G
5.8G Wi-Fi Standard	802.11 a/n/ac/ax
Interface	Optional 1(Without 8081): 1 * 10/100 /1000Mbps RJ45 WAN Port and PoE port; 1* Gigabit Console port; Optional 2(With 8081): 1 * 10/100/1000/2500Mbps RJ45 WAN port and PoE port, 1*10/100/1000Mbps LAN port 1 * Reset button, press 10 seconds to revert to default setting



Antenna	Build in 4*4dBi dual band MIMO Antenna
Data Rate	3000Mbps (2.4G 600Mbps, 5.8G 2400Mbps)
End Users	128+
2.4G RF Power	≤ 23dBm
5.8G RF Power	≤ 23dBm
DC	12V---2A
PoE	48V (IEEE 802.3at)
LED light	Sys, WAN, LAN
Power Consumption	≤ 20W
WAN	1*2.5G RJ45, support 48V PoE
LAN	1*1G

Firmware Specification

Working Mode	Gateway, AP
Wireless Functions	Multiple SSID functions: 2.4GHz: 4; 5.8GHz: 4.
	Support SSID hidden
	Support seamless roaming, 802.11kvr standard.
	Support 5G Prior for a faster Ethernet.
	Wireless Security: Open, WPA, WPA2PSK_TKIPAES, WAP2_EAP, WPA3
	Support MAC filter
	Support Wi-Fi time on/off to save energy
	Support client isolation to improve the wireless stability
	Support RF power adjustable, adjust the RF power based on environment.
	Support user quantity limited, Max 64 users to access each band.
Networking Function	VLAN settings
	Cloud access support in gateway mode
Device Management	Back-up the configuration
	Restore the configuration
	Reset to factory default
	Reboot the device: including time reboot or reboot immediately
	Admin management password modify
	Firmware upgrade



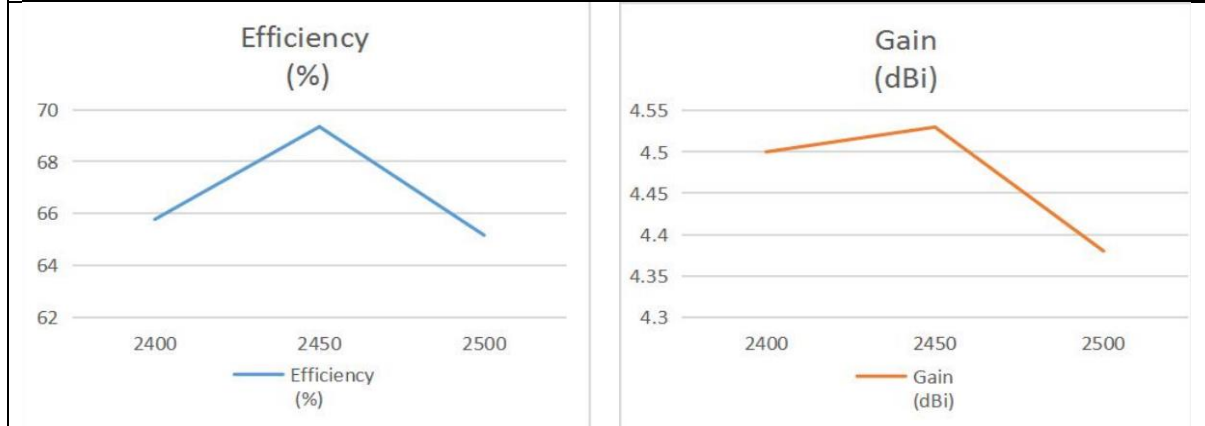
	System log
	Support firmware GUI web management, AC controller management, remote management and cloud management
Protocols	IPv4

Antenna Specification

Frequency Range	2.4GHz
Impedance	50 Ohms nominal
Gain	5dBi
Radiation	Omni
Polarization	Linear Polarization

Efficiency and Gain (2.4GHz)

Frequency	2400	2450	2500
Efficiency(%)	65.77	69.34	65.16
Gain(dBi)	4.5	4.53	4.38



Frequency Range	5.8GHz (5150~5850MHz)
Impedance	50 Ohms
Gain	5dBi
Radiation	Omni
Polarization	Linear Polarization

Efficiency and Gain (5.8GHz)

Frequency	5150	5350	5750	5850
Efficiency(%)	66.75	73.79	70.31	67.09
Gain(dBi)	4.76	4.85	4.87	5.03

