



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

CPU	IPQ5018 +QCN6102
Flash	SPI NOR 8MB SPI NAND 128MB
DDR3	External 512MB*1
2.4G Frequency	2.4GHz - 2.484GHz
2.4G Protocol	802.11 b / g / n/ac /ax
5G Frequency	5.150GHz~5.825GHz
5G Protocol	802.11 a / n / ac /ax
2.4G Antenna	2*4dBi
5G Antenna	2*4dBi
Data Rate	2.4G: 574Mbps; 5G: 2402Mbps
2.4G EVM	802.11b:≤-10 dB ; 802.11g: ≤-25 dB ; 802.11n:≤-28 dB ; 802.11ax:≤-35 dB
5G EVM	802.11a:≤-25 dB ; 802.11n: ≤-28 dB ; 802.11ac:≤-32 dB ; 802.11ax:≤-35 dB



ppm	±20ppm
WAN	1*10/100/1000 RJ45, support 48V PoE
LAN	1*Console port
Reset	Reset to factory settings by pressing 6-10 seconds
Indicators	WAN, LAN, tricolor LED(sys-red, 2.4G-green, 5.8G-blue)
Power	DC2.0 12V 1.5A, PoE 802.3at
Max Power Consumption	< 16W
Dimension	186mm × 186mm × 37mm
Weight	0.55kg
Temperature	Working: -10°C to 45°C ; Storage: -40°C to 70°C ; Humidity: 5%~95% (Non-Condensing)
ESD	Air:±8K, Touch:±4K
Electrical Surge	Common Mode: 2K, Differential Mode: 1K

Firmware Specification

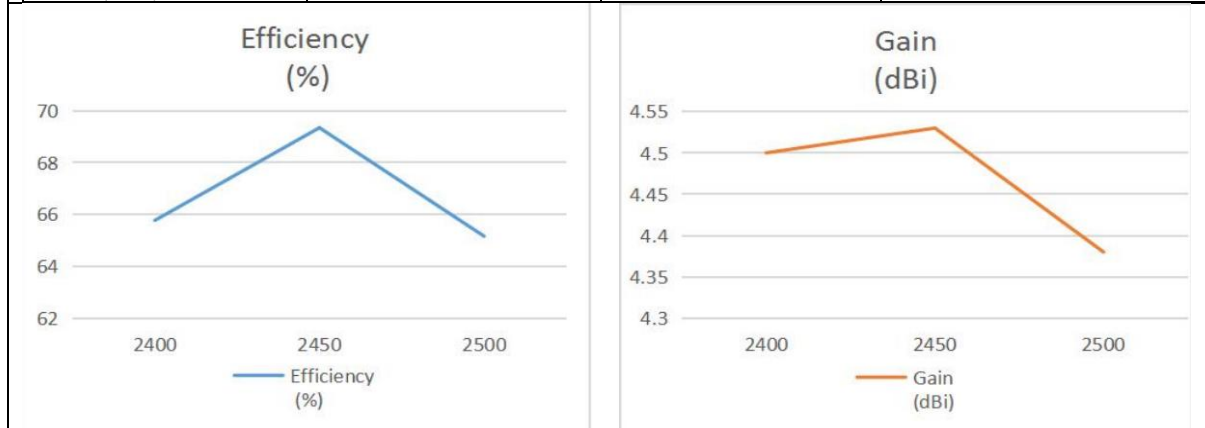
Working Mode	Gateway, AP
Wireless Functions	Multiple SSID functions: 2.4GHz: 4; 5.8GHz: 4.
	Support SSID hidden
	Support seamless roaming
	Support 5G Prior for a faster Ethernet.
	Wireless Security: Open, WPA, WPA2PSK_TKIPAES, WAP2_EAP, WPA3
	Support MAC filter
	Support Wi-Fi time on/off to save energy
	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

