



Niveo Professional NWAR300

11ac 1200Mbps Manageable PoE Ceiling Wireless AP



Description

The NWAR300 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 for more range and stable signal

The NWAR300 has a two-line Power Amplifier designed on the PCB board with 5dBi MIMO high gain antenna the WiFi range increases significantly and offering a very stable wifi signal for users.

Power over Ethernet

The NWAR300 comes with integrated IEEE802.3at Power over Ethernet (PoE), for easy installation and eliminating the mess of altering existing network infrastructure.

Access Controller System & Cloud Management System

The NWAR300 can be controlled by NWAC7000 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. The NWAR300 can also be easily monitored, located and accessed using the Niveo Cloud Management System. (ready Q2 2016)

Features

- Comply with IEEE 802.11ac/b/g/n, dual band, 1200Mbps Data Rate
- 1 10/100/1000Mbps WAN Port 1 10/100/1000Mbps LAN Port
- Maximum 1000mW high power, build in 5dBi MIMO antenna
- Support IEEE 802.3at PoE standard
- Support SSID broadcasting, Multi SSID up to 8 (4 SSID in 2.4GHz, 4 SSID in 5GHz)
- Support Gateway (PPPOE, static IP, dynamic IP), Wireless AP, Repeater, WISP operation mode
- Build in firewall, IP filter, URL filter and MAC filter
- Comply with IEEE 802.3az standard, beamforming technology, RF power adjustment and frequency analyzer
- Support DDNS, VPN pass through, Port forwarding and DMZ host
- Support 64/128-bit WEP security, 128bit WPA (TKIP/AES) security

Specifications:



Hardware:							
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						
RF Data							
Frequency	2.4G:802.11b/g/n: 5GHz : 802.11a/n/ac						
	2.4GHz、 5GHz						
Country code	FCC、 IC、 ETSI、 MKK、 MKK1、 MKK2、 MKK3、 NCC、 RUSSIAN、 CN						
Modulation	OFDM = BPSK,QPSK, 16-QAM, 64-QAM						
	DSSS = DBPSK, DQPSK, CCK						
Throughput	1200 Mbps						
Frequency	Mode	Data Rate	Standard	Result(dBm)			RF Power
				CH1	CH6	CH11	(±1.0dBm)
2.4GHz	11b	1Mbps	≤-83	-99	-99	-99	29dBm
		11Mbps	≤-76	-92	-92	-92	
	11g	6Mbps	≤-85	-95	-95	-95	29dBm
		54Mbps	≤-68	-82	-82	-82	27dBm
	11n	MCS0/8	≤-85	-95	-95	-95	28dBm
	HT20	MCS7/15	≤-67	-79	-77	-78	26dBm
	11n	MCS0/8	≤-82	-93	-93	-93	28dBm
	HT40	MCS7/15	≤-64	-75	-75	-75	26dBm



RF Data							
5GHz				CH36	CH100	CH149	
	11a	6Mbps	≤-85dBm	-92	-92	-92	26dBm
		54Mbps	≤-68dBm	-75	-75	-75	23dBm
	11n HT20	MCS0/8	≤-85dBm	-91	-91	-91	26dBm
		MCS7/15	≤-64dBm	-72	-72	-72	23dBm
				CH38	CH110	CH151	
	11n HT40	MCS0/8	≤-82dBm	-88	-88	-88	26dBm
		MCS7/15	≤-61dBm	-70	-70	-70	23dBm
				CH36	CH100	CH149	
	11ac HT20	MCS0	≤-82	-92	-92	-92	26dBm
		MCS8	≤-60	-70	-70	-69	23dBm
				CH38	CH110	CH151	
	11ac HT40	MCS0	≤-79	-90	-89	-89	25dBm
		MCS9	≤-60	-66	-65	-65	22dBm
				CH42	CH106	CH155	
	11ac HT80	MCS0	≤-79	-87	-87	-87	24dBm
MCS9		≤-54	-62	-61	-61	21dBm	

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 °C(32 °F~104°F) Storage Temperature: -40~70 °C (-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