



## NIVEO PROFESSIONAL WIRELESS & ROUTERS

### NWR3000

11ax Wifi 6e 3100Mbps wireless router/mesh Router

### NWA3000

11ax Wifi 6e 3000Mbps wireless access point

### NWA9000

11be Wifi7 9300Mbps Wireless AP with 2 \* 2.5Gbps LAN ports

### NWAC128

Multi-WAN VPN Router with Wireless AP (128) Access Controller with cloud management

## NWR3000



The NWR3000 is an Wi-Fi6 high speed home use mesh router.

It complies with the IEEE 802.11ax standard, 2.4G+5.8G dual band, with wireless speed up to 3100Mbps.

Equipped with 1 WAN+ 3 LAN ports, it allow 50+ users to access the all Gigabit Ethernet.

- 🔄 Easy to install
- 🔄 Provides stable wireless coverage without any dead corners
- 🔄 Mesh Router Functionality

## SPECIFICATIONS

- 🔄 Complies with IEEE 802.11b/g/n/ac/ax standards
- 🔄 MIMO 2T2R Technology
- 🔄 Integrates router, four-port switch and firewall in one
- 🔄 1\*10/100/1000M Auto-Negotiation RJ45 WAN port, 3\*10/100/1000M Auto-Negotiation RJ45 LAN ports
- 🔄 Supports PPPoE, Dynamic IP, and static IP broadband functions
- 🔄 Automatic dialing, On-demand dialing, fixed time dialing, filling most dialing requirements
- 🔄 Supports UPnP, DDNS, static routing, VPN Pass-through
- 🔄 Supports SSID broadcast control and MAC access control list
- 🔄 Supports 64/128-bit WEP, complies with 128 bit WPA standard(TKIP/AES)
- 🔄 Built-in firewall features IP, MAC, URL filtering which flexibly controls online access and time
- 🔄 Built-in DHCP server with automatic dynamic IP address distribution
- 🔄 User interface supports free WEB software updates
- 🔄 Supports configuration file backup and restore.
- 🔄 Sleek exterior, can be mounted on a wall or placed horizontally on a table or desk
- 🔄 Easy mesh function

<b>Standard</b>	IEEE 802.11b/g/n/ac/AX, CSMA/CA, CSMA/CD, TCP/IP, DHCP, ICMP, NAT, PPPoE
<b>Interface</b>	WAN: 1*10/100/1000M Auto MDI/MDIX RJ45 port; LAN: 3*10/100/1000M Auto MDI/MDIX RJ45 ports WPS Reset button
<b>Frequency Band</b>	2.4GHz 5.8GHz
<b>Wireless Transmit power</b>	11b: 20±1 dBm 11g: 16±1 dBm 11n: 15±1 dBm 11ac: 17±1 dBm 11ax: 17±1 dBm
<b>Access Protocol</b>	CSMA/CA, CSMA/CD, TCP/IP, ICMP, NAT, PPPoE, DHCP, Wired static, Wifi Client, UDP, DDNS,
<b>Security</b>	WEP 64/128bit; MAC based Association; SSID broadcast disable; Wi-Fi Protection Access (TBD), WPA, WPA2, Built-in firewall
<b>Receive Sensitivity</b>	11n : -70dBm@10% PER 11g : -70dBm@10% PER 11b: -85dBm@8% PER 11ac: -65dBm@8% PER 11ax: -50dBm@8% PER
<b>WLAN Modulation Scheme</b>	BPSK, QPSK, CCK and OFDM (BPSK/QPSK/16-QAM/ 64-QAM)
<b>Antenna</b>	Fife undetachable 5dBi Antenna
<b>LED</b>	POWER, Internet, Wlan, Lan/Wan, External power supply
<b>Operation Temperature</b>	-20°C ~ 50°C ambient temperature
<b>Storage Temperature</b>	-20% ~ 70% ambient temperature
<b>Humidity</b>	10% ~ 90% (Non-condensing)
<b>Power</b>	(Output DC12V, 1A; Input 110V/220V)



## NWA3000

The NWA3000 is high RF power, high speed, high performance Wi-Fi6 ceiling wireless access point that supports AP, router and Easy mesh modes.

With up to 3000Mbps data rate, it support 802.11kv seamless roaming, up to 150 users access.

The AP offers Mesh, Vlan and can operate stand-alone or with the NWAC128 AC controller.

- 🔄 Ceiling mounted design, high power amplifier design with 1000mW RF power, unobstructed signal, more wireless range and stable wireless connections.
- 🔄 Supports Easy Mesh, easy to expand the wireless network, achieve better wireless coverage
- 🔄 Supports WPA3 and 802.1x advance encryption, guard wireless network security all the time

## SPECIFICATIONS

<i>WiFi Standard</i>	IEEE 802.11b/g/n/ac/ax
<i>Flash</i>	8MB_SPI_NOR Flash+128MB_SPI_L NAND Flash
<i>Memory</i>	512MB
<i>Frequency</i>	2.4G: 2400 - 2484MHz
	5.8G: 5150 - 5850MHz
<i>Data Rate</i>	600Mbps @ 2.4GHz; 2400Mbps @5.8GHz
<i>RF Power</i>	2.4G 11b≤28dBm/chain, 11n HT20≤24dBm/chain, 11ac HT40≤23dBm/chain, 11ax HT40≤17dBm/chain
	5.8G 11n≤27 dBm/chain; 11ac≤23 dBm/chain; 11ax≤18 dBm/chain;
<i>Access Users</i>	150+ Clients
<i>Ethernet</i>	1*1G WAN, PoE Input, RJ-45;
<i>Button</i>	Reset button
<i>LED Indicator</i>	SYS (Green)
	2.4G (Green)
	5.8G (Green)
<i>Operation mode</i>	AP, router and mesh
<i>Wireless Functions</i>	Multiple SSID functions: 2.4GHz: 8; 5.8GHz: 8.

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	hidden SSID
	seamless roaming, 802.11kvr standard.
	Support 5G Prior for a faster Ethernet.
	Support MAC filter, IP filter
<i>VPN</i>	Open VPN and VPN Client (L2TP PPTP), IPsec
<i>Firewall</i>	Port mapping, Host mapping, DMZ, access control,
<i>Security</i>	Open, WPA, WPA2PSK_TKIPAES, WAP2_EAP, 802.1x, WPA3
<i>Authentication</i>	Captive portal authentication, Billing, PPPoE authentication, WiFidog authentication, CMCC portal, Radius server, LDAP server, SMS authentication;
<i>IP Protocol</i>	IPv4/IPv6
<i>SD-LAN</i>	In combination with AC controller
<i>AP management</i>	AP group, RF adjusting, network topology generate, RF power setting, channel setting, IP address setting
<i>Device Management</i>	GUI web management
	AC controller central and remote management
	Cloud central and remote management
	Support firmware back-up, restore, reset, upgrade

## NWA9000

The NWA9000 is the latest in wifi technology. It offers speeds up to an extreme 9300Mbps. It can operate stand-alone or with the NWAC128 AC controller



- 🕒 It support 802.11kvr seamless roaming
- 🕒 Up to 250 users access.
- 🕒 Easy Mesh
- 🕒 Vlan
- 🕒 Ceiling mounted design, high power amplifier design with 1000mW RF power, unobstructed signal, more wireless range and stable wireless connections.
- 🕒 Supports Easy Mesh, easy to expand the wireless network, achieve better wireless coverage
- 🕒 Supports WPA3 and 802.1x advance encryption, guard wireless network security all the time

## SPECIFICATIONS

<i>WiFi Standard</i>	IEEE 802.11b/g/n/ac/ax/be
<i>Flash</i>	128MB_SPI_nand Flash
<i>Memory</i>	512MB DDR4
<i>Frequency</i>	2.4G: 2400 - 2484MHz
	5.8G: 5150 - 5850MHz
	6G : 5925-7125MHz
<i>Data Rate</i>	688Mbps @ 2.4GHz ; 2882Mbps @5.8GHz ; 5764Mbps @ 6GHz
	2.4G 2x2 40MHz
	5.8G 2x2 160MHz,
	6G: 2x2 320MHz, MU-MIMO
<i>RF Power</i>	2.4G≤23 dBm/chain
	5.8G≤21 dBm/chain
	6G≤21 dBm/chain

<i>Access Users</i>	2.4G: 128
	5.8G: 128
	6G: 128
<i>Ethernet</i>	1*2.5G WAN, IEEE 802.3at PoE
	1*2.5G LAN
	1*USB port, optional
	1*SFP port, optional
<i>Button</i>	Reset button
<i>LED Indicator</i>	SYS (Green)
	2.4G (Green)
	5.8G (Green)
	6G (Green)
<i>Antenna</i>	5dBi
<i>Power Consumption</i>	<25W
<i>DC Power Supply</i>	Input 12V / 2A (DC); 2.5GE/PoE, IEEE 802.3at standard
<i>Working temperature</i>	Working Temperature: -20°C ~ 45°C
<i>Humidity</i>	5% ~ 95%
<i>Dimensions</i>	218*54.4mm
<i>Operation mode</i>	AP, router and mesh
<i>Wireless Functions</i>	Multiple SSID functions: 2.4GHz: 8; 5.8GHz: 8.
	Hidden SSID
	Seamless roaming, 802.11k/vr standard.
	Support 5G Prior for a faster Ethernet.
	Support MAC filter, IP filter
<i>VPN</i>	Open VPN and VPN Client (L2TP PPTP), IPsec
<i>Firewall</i>	Port mapping, Host mapping, DMZ, access control,
<i>Security</i>	Open, WPA, WPA2PSK_TKIP/AES, WPA2_EAP, 802.1x, WPA3
<i>Authentication</i>	Captive portal authentication, Billing, PPPoE authentication, WiFidog authentication, CMCC portal, Radius server, LDAP server, SMS authentication;
<i>IP Protocol</i>	IPv4/IPv6
<i>SD-LAN</i>	Support when it work with AC controller
<i>AP management</i>	AP group, RF adjusting, network topology generate, RF power setting, channel setting, IP address setting
<i>Device Management</i>	GUI web management
	AC controller central and remote management
	Cloud central and remote management
	Firmware back-up, restore, reset, upgrade

## NWAC128

The NWAC128 combines an Enterprise Gateway function, VPN router technology with an advanced AC controller functionality. Beyond epic, it supports up to 128 access points.



### Industrial gateway

The NWAC218 supports PPPoE/DHCP/Static IP access.

It offers

- 🔄 multiple Gigabit WAN ports,
- 🔄 load balancing,
- 🔄 Ethernet backup,
- 🔄 Network overlay
- 🔄 SD-WAN

### VPN client and VPN server support

The NWAC128 supports multiple VPN protocols:

- 🔄 L2TP
- 🔄 PPTP
- 🔄 IPSec
- 🔄 OpenVPN

### Multiple authentication

The highly advanced NWAC128 features multiple authentication modes, such as captive portal authentication, SMS authentication and 3rd party Radius authentication.

### Cloud management and SD-WAN

The router offers cloud access for remote management to manage this router and the connected wireless AP.

### AP Controller

#### *Intelligent channel analyzer*

The NWAC128 has a built in intelligent channel analyzer, allowing the wireless AP's to detect and analyze the Wi-Fi channels and select the channel with least interference and achieve the most stable wireless coverage.



### Automatically IP addresses

The NWAC128 features a built-in DHCP server, which automatically assigns IP addresses to wireless AP, avoids the IP address conflicts and saves labor configuration costs.

## SPECIFICATIONS

<b>Protocol</b>	IEEE 802.3, 802.3u, 802.3ab TCP/IP, DHCP, ICMP, NAT, PPPoE, SNTP, HTTP, DDNS, IPsec, PPTP, L2TP
<b>DDR3</b>	512MB
<b>Flash</b>	128M
<b>Ports</b>	5 × 10/100/1000Mbps LAN ports (can set to WAN port) 1 × 10/100/1000/2500Mbps WAN port
<b>Power</b>	AC:100-240V,50HZ
<b>Dimension</b>	284mm*178mm*44mm
<b>Working Temperature</b>	-20°C~50°C
<b>Storage Temperature</b>	-40°C ~ 70°C
<b>Working Humidity</b>	5% ~ 90% RH (No condensation);
<b>Firmware features</b>	5.8G<21 dBm/chain
<b>Status showing</b>	System Status/Interface Status/Interface Historical Traffic/Network Analysis/DHCP List/Online Users
<b>AP Management</b>	Max to manage 128PCS wireless AP Centrally and remotely to manage/configure wireless AP QoS limited for SSID
<b>Network</b>	WAN: PPOE/Static IP/Dynamic Acquisition/PTPP LAN: Port isolation, port based IP address segment configuration, DHCP server IP group/static routing/port mapping/network diagnostics/multi WAN load/static IP allocation Multiple WAN port up to 4
<b>Smart Flow Control</b>	No-configuration intelligent flow control
<b>Button</b>	Powerful multi-line diversion
<b>LED Indicator</b>	Application Priority Automatically
<b>Load Balance</b>	Multiple WAN, multiple ISP network access Intelligence load balance Ethernet line backup
<b>Antenna</b>	Ethernet overlay
<b>Power Consumption</b>	Policy routing: based on IP address, destination IP address, source MAC address, network port, domain, destination

	port, Extranet port, Identity binding
<i>DC Power Supply</i>	Protocol binding
<i>Working temperature</i>	Online detection
<i>Behavior Management</i>	All-round to block P2P firmware
<i>Dimensions</i>	P2P flow control and bandwidth allot
<i>Operation mode</i>	File and URL filter
<i>Wireless Functions</i>	Monitor network behavior at all times
<i>VPN</i>	L2TP, PPTP, OpenVPN, IPSec
<i>Bandwidth limitation</i>	IP-based bandwidth limitation
	Safeguard / Restrict bandwidth
	Time strategy
<i>VPN</i>	IP based session restriction
<i>Security Center</i>	MAC address filter
<i>Security</i>	UPR/key words filter
<i>Authentication</i>	Web content filter
<i>IP Protocol</i>	IP address filter
<i>SD-LAN</i>	Port mapping
<i>AP management</i>	DMZ
<i>Defense Center</i>	TCP/UDP/ICMP flood defense
	Block TCP scanning
	Block ping WAN port
<i>ARP Detection</i>	Send GARP packets
	ARP Scanning on WAN/LAN port
	Online detection
	IP-MAC binding
<i>Authentication Management</i>	Portal auth; 3rd Radius billing auth; SMS auth;
	Web management
	Remote management

# niveo



## WHO IS NIVEO PROFESSIONAL?

- ⚙️ **Manufacturer of AV-Centric Networking Equipment**
- 💡 **Pioneer in the AV-Industry**
- ⋯ **20 Years of AV-Centric Innovation!**
- 🌐 **Support around the globe, Delivery around the globe**

**WE MAKE  
NETWORKING  
EASY!**



## Niveo Professional

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