

Dual-Band WiFi 6 Outdoor Wireless AP



DESCRIPTION

The NODEXON NX-AP3000A-O6 is a high-performance dual-band Wi-Fi 6 (802.11ax) wireless access point designed to deliver fast, stable, and reliable wireless connectivity. It supports wireless services across both 2.4GHz and 5GHz frequency bands, providing efficient network performance for a variety of environments.

The 2.4GHz band offers a maximum access rate of up to 574Mbps, while the 5GHz band delivers speeds of up to 2402Mbps. With its reliable dual-band performance, the NX-AP3000A-O6 is ideal for offices, commercial spaces, public areas, enterprises, CCTV systems, and other applications requiring high-speed and dependable wireless connectivity.

FEATURES & BENEFITS

- Wi-Fi 6 standard, providing 2.4GHz/5GHz dual-band 3000Mbps wireless rate
- 4 fiberglass omnidirectional antennas, coverage distance > 150 meters
- 2×2 (2.4GHz) + 2×2 (5GHz), a total of 4 streams
- Commercial-grade Qualcomm solution, with a maximum of 128 users connected
- Provides 1×2.5G network port
- Metal aluminum shell, IP67 protection, -40°C~70°C wide operating temperature
- Support PoE power supply, support pole/wall mounting



5400Mbps



Wireless
Dual-Band



Full Gigabit
Ethernet
Port



PoE/DC
Power
Supply



Fat &
Skinny



Seamless
Roaming



Commercial
Cloud
Platform



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HARDWARE SPECIFICATION

MODEL	NX-AP3000A-O6
2.4GHz Frequency Band	2.4GHz ~ 2.484GHz (802.11 b/g/n/ax)
5GHz Frequency Band	5.150GHz~5.850GHz (802.11 a/n/ac/ax)
External Antenna 2.4GHz	2 × 2.4GHz antenna, each gain: 3dBi
External Antenna 5GHz	2 × 5GHz antenna, each gain: 6dBi
Wireless Speed	2.4GHz provides a maximum access rate of 574Mbps, 5GHz provides a maximum access rate of 2402Mbps
Device Capacity	256
2.4GHz Tx Power	<26±2dBm
5GHz Tx Power	<25±2dBm
Interface	1 × 10/100/1000/2500Mbps WAN port, support 48V PoE
Button	Reset button (Press and hold for 6-10 seconds to restore to factory default settings)
Power Supply	PoE802.3at
Power Consumption	<16W
Dimensions	295mm × 231mm × 80mm
Net Weight	2.2kg
Work Environment	Normal operating temperature: -30°C to 55°C Storage temperature: -40°C to 70°C Humidity: 5% to 95% (no condensation)
Protection Level	IP67



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SOFTWARE SPECIFICATION

MODEL	NX-AP3000A-O6
Front Page	Working mode: Fat AP mode and Thin AP mode Wireless AP download rate, wireless AP upload rate, running time Device information, device description, intranet information, WIFI information
Support Mode	Gateway mode: The device is connected to the WAN through the WAN port and then accesses the Internet using static IP, DHCP or PPPoE AP mode: The device covers other clients and devices with wireless network signals and uses Ethernet to connect to other routers to access the WAN.
Wireless Capabilities	SSID Broadcast Number of SSIDs: 4 (2.4GHz) + 4 (5GHz), support Chinese SSID Hide SSID function Wireless encryption: OPEN, WPA/WPA2PSK-TKIPAES, WPA3PSK-AES Wireless MAC address filtering: support whitelist WiFi timer off function User isolation: isolation between wireless networks and isolation within APs Transmit power setting Wireless client number limit QoS: WMM
Network Features	Connection method: static address, obtained from the management server, obtained from the gateway DHCP server: It can be a built-in DHCP server or an external DHCP server Cloud Platform Server Firewall function PPPoE function: Support PPPoE dial-up function
Device Management	Backing up configuration information Restore configuration information Restore factory settings Restart includes scheduled restart and immediate restart Firmware Upgrade Time management includes system display time and time synchronization System log Fat and thin AP switching function

ORDER INFORMATION

PART NUMBER	DESCRIPTION
NX-AP3000A-O6	NODEXON Dual-Band WiFi 6 Outdoor Wireless AP

Note:

**Unless TAA compliance is explicitly requested and confirmed per line item prior to order processing, standard commercial (non-TAA) equivalents or general inventory items may be supplied.*

To maintain high quality and continuous improvement, the vendor reserves the right to alter product specifications at any time without prior notification.