

## Dual-Band WiFi 6 Outdoor Wireless AP



### DESCRIPTION

The NODEXON NX-AP5400-O6 is a high-performance dual-band Wi-Fi 6 (802.11ax) wireless access point designed to provide fast, stable, and reliable wireless connectivity. It supports wireless services across both 2.4GHz and 5GHz frequency bands, making it suitable for a wide range of networking environments.

The 2.4GHz band delivers a maximum access rate of up to 574Mbps, while the 5GHz band provides speeds of up to 2402Mbps. With efficient dual-band performance and reliable connectivity, the NX-AP5400-O6 is ideal for offices, commercial spaces, public areas, enterprises, and other environments requiring high-speed and dependable wireless network access.

### FEATURES & BENEFITS

- WiFi 6 standard, providing 2.4GHz (574Mbps), 5GHz (2402Mbps) dual-band wireless rate
- Built-in directional antenna, 2x2 (2.4GHz) + 2x2 (5GHz) 4 streams, coverage distance >800 meters
- Commercial-grade Qualcomm solution, with a maximum of 128 users connected
- Provides 1xGigabit optical port + 2xGigabit RJ45 ports
- Metal aluminum shell, IP67 protection, -40°C~70°C wide operating temperature
- Support PoE/DC flexible 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

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| MODEL                 | NX-AP5400-O6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 2.4GHz Frequency Band | 2.4GHz~2.484GHz (802.11b/g/n/ax)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 5GHz Frequency Band   | 5.150GHz~5.850GHz(802.11a/n/ac/ax)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Antennas              | 2.4GHz/5GHz directional antenna, 2.4GHz gain: 10dBi; 5GHz gain: 12dBi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Wireless Speed        | 2.4GHz provides a maximum access rate of 574Mbps, and 5GHz provides a maximum access rate of 2402Mbps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Device Capacity       | 128                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 2.4GHz Tx Power       | <25±2dBm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 5GHz Tx Power         | <25±2dBm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Interface             | 110/100/1000Mbps SFP optical port<br>110/100/1000Mbps adaptive WAN port, support PoE 48V input<br>110/100/1000Mbps adaptive LAN port                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Buttons               | reset button(Press and hold for 6-10 seconds to restore to factory default settings)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Status Indicator      | Silk-screen PWR: Power indicator light (green, always on when powered on; off when not powered on)<br>Silk-screen SFP: Gigabit optical port indicator (green, off when not connected, always on when connected, flashing when data is sent or received)<br>Silkscreen WAN: Gigabit WAN port indicator (green, off when not connected, always on when connected, flashing when sending or receiving data)<br>Silkscreen LAN: Gigabit LAN port indicator (green, off when not connected, always on when connected, flashing when sending or receiving data)<br>Silkscreen 5G: 5GHz status (green, 5GHz WiFi is on, always on, data is sent and received, flashing, WiFi is off, off)<br>Silkscreen 2.4G: 2.4GHz status (green, 2.4GHz WiFi is on, always on, data is sent and received, flashing, WiFi is off, off) |
| Power Supply          | PoE 802.3at, DC2.0 12V/2A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Power Consumption     | <18W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Dimensions            | 243.2mm × 218.3mm × 64.1mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Net Weight            | 1.825kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Work Environment      | Normal operating temperature: -30°C to 55°C<br>Storage temperature: -40°C to 70°C<br>Humidity: 5% to 95% (no condensation)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Protection Level      | IP67                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |



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SOFTWARE SPECIFICATION

| MODEL                 | NX-AP5400-O6                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Front Page            | Working mode: Fat AP mode and Thin AP mode<br>Wireless AP download rate, wireless AP upload rate, running time<br>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<br>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<br>Number of SSIDs: 4 (2.4GHz) + 4 (5GHz), support Chinese SSID<br>Hide SSID function<br>Wireless encryption: OPEN, WPA/WPA2PSK-TKIPAES, WPA3PSK-AES<br>Wireless MAC address filtering: support whitelist<br>WiFi timer off function<br>User isolation: isolation between wireless networks and isolation within APs<br>Transmit power setting<br>Wireless client number limit<br>QoS: WMM |
| Network Features      | Connection method: static address, obtained from the management server, obtained from the gateway<br>DHCP server: It can be a built-in DHCP server or an external DHCP server<br>Cloud Platform Server<br>Firewall function<br>PPPoE function: Support PPPoE dial-up function                                                                                                                             |
| Device Management     | Backing up configuration information<br>Restore configuration information<br>Restore factory settings<br>Restart includes scheduled restart and immediate restart<br>Firmware Upgrade<br>Time management includes system display time and time synchronization<br>System log<br>Fat and thin AP switching function                                                                                        |

ORDER INFORMATION

| PART NUMBER  | DESCRIPTION                                  |
|--------------|----------------------------------------------|
| NX-AP5400-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.*