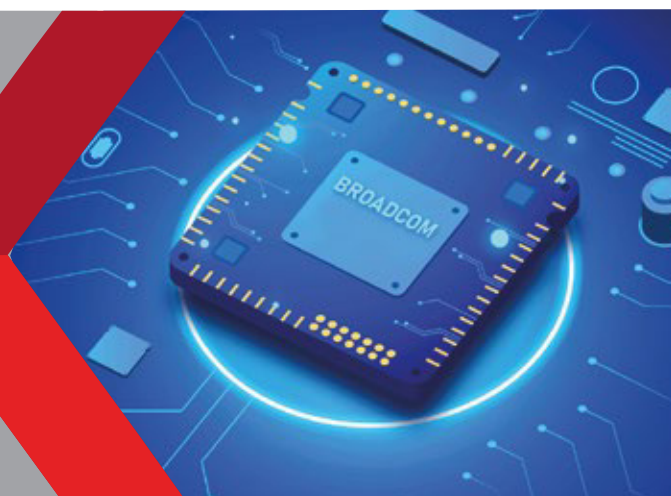


802.11be Indoor Series Access Point NX-AP7530-O7



OVERVIEW

NODEXON AP7530-O7 is a new generation Wi-Fi 7 product that complies with the 802.11be standard. Compared to Wi-Fi 6/6E products, it can provide higher rates, larger capacity, and lower latency.

The access point has tri-radio 6 streams and built-in omni-directional antennas, with one radio supporting switching between 6GHz and 5GHz, with a speed of up to 9.335Gbps. The access point has a 10 GE optical port and a 10 GE electrical port, providing redundant uplink ports.

This access point supports both wall-mounted and pole-mounted installations, effectively addressing outdoor WLAN coverage challenges. With robust IP68 waterproof and dustproof features and 6 kV/6 kA surge protection, it is designed for resilience in harsh environments. The built-in omni-directional antennas simplify outdoor installation and debugging. It is widely used for professional smart coverage in outdoor settings, such as wireless cities, high-density stadiums, and scenic spots.

FEATURES HIGHLIGHTS

- › Wi-Fi 7 (802.11be) Standards
- › Wireless security guarante
- › Network Optimization
- › Application Guarantee
- › Flexible Networking
- › Power Saving
- › Cloud-based Management
- › Analysis on Non-Wi-Fi Interference Sources
- › Innovative AI-Native Capabilities



AP7530-O7

802.11be Indoor Series Access Point NX-AP7530-O7



PRODUCT FEATURES

Wi-Fi 7 (802.11be) Standards

Wi-Fi 7(802.11be) is the next generation Wi-Fi standard, with improvements in the following features compared to Wi-Fi 6/6E:

Supporting 320MHz bandwidth is an important physical layer technology in Wi-Fi 7. Compared to the 160MHz bandwidth of Wi-Fi 6/6E, the peak theoretical rate is directly doubled. Wi-Fi 7 has more bandwidth combinations, which can bring higher speed, wider coverage, and better multi user processing capabilities.

4096-QAM is also an important new technology in Wi-Fi 7. Compared to the 1024-QAM technology in WiFi 6/6E, 4096-QAM technology can increase transmission speed by 20%, resulting in higher bandwidth utilization, more stable transmission rate, and better user experience.

MLO, Multi-Link Operation. By establishing multiple links, it can effectively improve the network performance, providing higher throughput, lower latency, and better connection quality.

MRU, Multiple Resource Unit. In Wi-Fi 6, a single STA can only use a single RU resource, which lacks flexibility. Wi-Fi 7 breaks this limitation by allowing a single STA to occupy multiple RUs simultaneously, and RUs of the same sizes can be combined.

Preamble Puncturing. Utilizing discontinuous spectrum for data transmission to improve spectrum utilization efficiency. There are only a few available modes in Wi-Fi 6. On the one hand, Wi-Fi 7 expands its bandwidth to 240MHz/320MHz; On the other hand, the spectrum drilling mechanism is more flexible for data transmission.

Wi-Fi 6 (802.11ax) Standards

Orthogonal Frequency Division Multiple Access (OFDMA)

802.11ax uses OFDMA to allow multiple users to transmit data simultaneously. OFDMA splits a channel into sub-channels, known as resource units (RUs), with specific subcarriers, and assigns RUs to different users for simultaneous transmission. OFDMA enables simultaneous multi-user transmission and reduces latency caused by channel contention.

DL/UL MU-MIMO

DL/UL MU-MIMO technology allows AP to send data to multiple stations simultaneously, breaking through the traditional wireless serial communication mechanism, increasing the utilization rate of wireless spectrum resources, and improving the number of effective access users and access experience under high-density deployment.

BSS Coloring

Spatial reuse allows the access points and their clients to differentiate between BSSs, assigns a different color per BSS to help access point identify co-channel interference and stop transmission in time. This optimizes frequency reuse and improves network capacity.

Target Wake Time (TWT)

TWT improves power efficiency and reduces contention by increasing client sleep time and allowing negotiation of the times that clients can access the medium



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Security Policy

Wireless security guarantee

The APs support WPA2-Personal, WPA2-Enterprise, WPA3-Personal, WPA3-Enterprise authentication and encryption modes to ensure security of the wireless network.

Link Protection

The CAPWAP link protection and DTLS encryption provide security assurance, improving data transmission security between the AP and the AC.

Rogue Device Monitoring

APs support WIPS, and can monitor, identify, defend, counter, and perform refined management on the rogue devices, to provide security guarantees for air interface environment and wireless data transmission.

Real Time Spectrum Guard (RTSG)

Real-Time Spectrum Guard (RTSG) is the innovative NODEXON professional state-monitoring solution for the wireless spectrum.

Network Optimization

Doctor AP

Doctor AP mode, combining NODEXON AC and NODEXON Cloudnet platform, collects wireless network information for scenarios where terminal access is abnormal, and analyzes and locates wireless faults quickly and accurately.

RRM

Radio Resource Management (RRM), the AP monitors air interface channel utilization, channel interference, and signal conflict in real time, and works with NODEXON Cloudnet to adjust RF parameters such as working channel, bandwidth, and power in a timely manner to maintain the optimal RF resource status.

RROP

Radio Resource Optimization Policy (RROP) refers to the collection of multiple wireless air interface optimization methods, which is committed to reducing or controlling the consumption of air interface media resources by management packets, broadcast packets, and invalid packets. Set aside more resources to provide users with better wireless application services.

SACP

The Station Access Control Policy (SACP) restricts, controls, and guides the access of wireless terminals to better AP or wireless services. In addition, terminal traffic is controlled and scheduled according to network applications to improve the overall performance of the wireless network and improve the experience and effect of wireless access applications.

Roaming Protection

Wireless AP fully supports the Fast BSS Transition function defined in the 802.11r standard, which can accelerate the roaming process of wireless users, reduce the probability of connection interruption, and improve the roaming service quality. Through 802.11k protocol mechanism, AP and wireless client interact with each other to perceive the network topology in multiple dimensions.



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Application Guarantee

Application identification

APs support smart application control technology and can implement visualized control on Layer 4 to Layer 7 applications. Coupled with NODEXON WLAN ACs, the APs can identify a large number of common applications in various office scenarios. Based on the identification results, policy control can be implemented on user services, including priority adjustment, scheduling, blocking, and rate limiting to ensure efficient bandwidth resource and improve quality of key services

Flexible Networking

AC-based Management

The access point supports Fit AP mode and can be managed by the Wireless Service Manager (WSM) component of the NODEXON Intelligent Management Center (IMC). WSM offers a simple and user-friendly management platform for wireless network administrators. It implements panel management, troubleshooting, performance monitoring, software version control, configuration management, and user access management of wireless devices

Anchor-based Management

Anchor mode is designed for small-scale networks, the access point supports Anchor mode, it integrates some of the functions of the wireless controller and can be used to manage a small number of Fit APs without licenses, thus saving customer investment.

Cloud-based Management

This access point supports cloud AP mode, which can be managed through the cloud without deploying wireless controllers and authentication servers. It supports multiple authentication methods such as PPSK, Portal, 802.1X, SMS, and social media. At the same time, the cloud management platform can monitor the device status and terminal connection status, comprehensively evaluate and optimize the business operation status of the entire wireless network, and achieves the optimal wireless network Total Cost of Ownership (TCO).

Power Saving

The access point employs a green design that supports Dynamic and Static SM Power Saving (SMPS), Enhanced Automatic Power Save Delivery (E-APSD). It can dynamically adjust the MIMO working mode and efficiently put terminals to sleep.

The access point supports green AP mode that enables single radio standby and allows for more precise power control.

The access point supports the innovative per-packet power control (PPC) technology, which reduces standby power consumption and improves mobile device standby time.



802.11be Indoor Series Access Point NX-AP7530-O7



HARDWARE SPECIFICATIONS

SPECIFICATIONS	NX-AP7530-O7
Dimensions (W × D × H)	260 mm × 260 mm × 84 mm
Interface	1 x 10/100/1000M/2.5G/5G/10G Multigigabit Ethernet, RJ-45, PoE input 1 x 1000M/10G optical port, SFP+, PoE input 1 x 10/100/1000M Ethernet, RJ-45, PoE output
Console port	1 × Management console port (RJ-45)
USB port	1(2.0) at 2.5W
PoE input	1 x 10/100/1000M/2.5G/5G/10G Multigigabit Ethernet, 802.3bt/at 1 x 1000M/10G optical port, 802.3bt/at
PoE output	1 x 10/100/1000M Ethernet, 802.3af
Local power supply	POE injector
Antenna Type	Built-in omni-directional antenna
Antenna Gain	6GHz peak gain: 7.3dBi 5GHz peak gain: 7.2dBi 2.4GHz peak gain: 6.8dBi <i>Note: The equivalent antenna gain is 4.7dBi in 6GHz, 4.3dBi in 5GHz and 4.0dBi in 2.4GHz</i>
Built-in IoT Module	BLE5.4
External IoT Module	Zigbee
Frequency bands	2.400 to 2.4835GHz ISM 5.150 to 5.250GHz U-NII-1 5.250 to 5.350GHz U-NII-2A 5.470 to 5.725GHz U-NII-2C 5.725 to 5.850GHz U-NII-3/ISM 5.925 to 6.425GHz U-NII-5 6.425 to 6.525GHz U-NII-6 6.525 to 6.875GHz U-NII-7 6.875 to 7.125GHz U-NII-8 <i>Note: The available bands and channels are dependent on the configured regulatory domain (country)</i>
Modulation technology	OFDM: BPSK@6/9Mbps, QPSK@12/18Mbps, 16-QAM@24Mbps, 64-QAM@48/54Mbps DSSS: DBPSK@1Mbps, DQPSK@2Mbps, CCK@5.5/11Mbps
Modulation mode	11b: DSSS: CCK@5.5/11Mbps, DQPSK@2Mbps, DBPSK@1Mbps 11a/g: OFDM: 64QAM@48/54Mbps, 16QAM@24Mbps, QPSK@12/18Mbps, BPSK@6/9Mbps 11n: MIMO-OFDM: BPSK, QPSK, 16QAM, 64QAM 11ac: MIMO-OFDM: BPSK, QPSK, 16QAM, 64QAM, 256QAM 11ax: MIMO-OFDM: BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM 11be: MIMO-OFDM: BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM, 4096QAM



802.11be Indoor Series Access Point NX-AP7530-07



HARDWARE SPECIFICATIONS

SPECIFICATIONS		NX-AP7530-07					
Maximum transmit power	6G: 27 dBm 5G: 27 dBm 2.4G: 30 dBm <i>Note: Transmit power is multi-chain combined power, no antenna gain is included. The actual transmit power depends on local laws and regulations</i>						
Adjustable power granularity	1 dBm						
Reset/restoration to factory default	support						
Kensington Lock	support						
Installation	wall-mounted / pole-mounted (<i>Note: Mounting bracket not included by default</i>)						
LED	Alternating flashing mode, orange/green/blue for different working states						
Temperature	Operating temperature: -30°C to +55°C Storage temperature: -40°C to +70°C <i>Note: The value may vary depending on the installation environment</i>						
Humidity	Operating humidity: 0% to 100% (non-condensing) Storage humidity: 0% to 100% (non-condensing)						
Protection class	IP68						
Overall power consumption	Power Source	6GHz MIMO	5GHz MIMO	2.4GHz MIMO	Link speed	PSE	Power consumption
	802.3bt	2*2	2*2	2*2	10Gbps	Y	43W
	802.3at	2*2	2*2	1*1	10Gbps	N	24.4W
	802.3af	-	-	-	-	-	-
	POE injector	2*2	2*2	2*2	10Gbps	N	28W
	POE injector	2*2	2*2	1*1	10Gbps	Y	43W
Safety Standards	IEC/EN 62368-1 GB 4943.1 SRRC						
EMC Standards	EN 301 489-1 EN 301 489-3 EN 301 489-17 EN 60601-1-2 EN 55032 EN 55035		CISPR 32 CISPR 35 AS/NZS CISPR32 ICES-003 Issue 7 GB/T 9254.1 GB/T 9254.2 GB 17625.1 GB 17625.2		IEC/EN 61000-4-2 IEC/EN 61000-4-3 IEC/EN 61000-4-4 IEC/EN 61000-4-5 IEC/EN 61000-4-6 IEC/EN 61000-4-8 IEC/EN 61000-4-11 IEC/EN 61000-3-2 IEC/EN 61000-3-3		
Radio Standards	ETSI EN 300 328 ETSI EN 301 893, FCC Part 15E, ETSI EN 300 440 ETSI EN 303 687						
RoHS Standards	DIRECTIVE 2011/65/EU (EU) 2015/863						

802.11be Indoor Series Access Point NX-AP7530-07



SOFTWARE SPECIFICATIONS

SPECIFICATIONS	Feature	NX-AP7530-07
Health Standards	EN 50385:2017 EN IEC 62311:2020	
MTBF (25°C)	45 years	
Product positioning	Basic information	Flagship, Indoor, tri-radio AP, 802.11a/b/g/n/ac/ax, Wave 2/ax/be
	Frequency and MIMO	Tri-radio mode (1): 5GHz, 2x2:2, 2.882Gbps 5GHz, 2x2:2, 2.882Gbps 2.4GHz, 2x2:2, 0.688Gbps Tri-radio mode (2): 6GHz, 2x2:2, 5.765Gbps 5GHz, 2x2:2, 2.882Gbps 2.4GHz, 2x2:2, 0.688Gbps Tri-radio mode (3): 6GHz, 2x2:2, 5.765Gbps 5GHz, 2x2:2, 2.882Gbps 5GHz, 2x2:2, 2.882Gbps
	Compliance and bandwidth	6GHz, 802.11ax/be 20MHz/40MHz/80MHz/160MHz/320MHz 5GHz, 802.11a/n/ac/ax/be 20MHz/40MHz/80MHz/160MHz 2.4GHz, 802.11b/g/n/ax/be 20MHz/40MHz
	Maximum transmission speed	9.335 Gbps (2x2 320 MHz on 6 GHz, 2x2 160 MHz on 5 GHz, and 2x2 40 MHz on 2.4 GHz) 6.452 Gbps (2x2 160 MHz on 5 GHz, 2x2 160 MHz on 5 GHz, and 2x2 40 MHz on 2.4 GHz) 11.529 Gbps (2x2 320 MHz on 6 GHz, 2x2 160 MHz on 5 GHz, and 2x2 160 MHz on 5 GHz)
	Maximum number of clients	1536 (512 on 6 GHz, 512 on 5 GHz, and 512 on 2.4 GHz) <i>Note: the actual number of users varies according to the environment</i>
	Maximum number of SSIDs for each radio	16
802.11be	320M bandwidth	Support 320M bandwidth
	4096-QAM	Support 4096-QAM
	MLO*	Support MLO
	Preamble puncturing	Support Preamble puncturing
	Multi-RU	Support Multi-RU



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SOFTWARE SPECIFICATIONS

SPECIFICATIONS	Feature	NX-AP7530-07
802.11ax	MU-MIMO	Support DL MU-MIMO/ UL MU-MIMO
	OFDMA	Support DL OFDMA/ UL OFDMA
	TWT	Target Wake Time, allowing clients to sleep for a predetermined period of time and be awakened only when network communication is needed, effectively reducing the power consumption
	BSS coloring/SR	Spatial reuse, dividing different BSSs into different colors to avoid co-frequency interference and improve the user experience of wireless networks
WLAN basics	A-MPDU	Aggregated MAC Protocol Data Unit, Improves the data transmission efficiency of wireless networks by optimizing the composition of TX/RX directional data packets
	A-MSDU	Aggregated MAC Service Data Unit, Improves the data transmission efficiency of wireless networks by optimizing the composition of TX/RX directional data packets
	LDPC	Low-density Parity-Check, Improves the communication efficiency of wireless networks through error correction coding technology
	STBC	Space-Time Block Coding, Improve the Channel capacity of wireless networks through multi-antenna coding technology
	DFS	Dynamic Frequency Selection, automatically identify DFS frequency bands, automatically adjust frequencies of the devices, and avoid interference with other devices
	TxBF	Transmit Beamforming, Improve the signal-to-noise ratio of wireless network signal transmission by adjusting the beam direction of antenna transmitting signals
	MRC	Maximum-ratio combining, improve signal reception quality
	CDD/CSD	Cyclic Delay Diversity/Cyclic Shift Diversity, improve signal reception quality
Tunnel management	CAPWAP tunnel	Support unicast/broadcast/DNS/DHCP/static IP method for discovering AC
	NAT	Support NAT between AC and AP
	DTLS	Tunnel between AC and AP supports DTLS encryption
	IPv4/IPv6	Tunnel between AC and AP supports IPv4 and IPv6
	Time synchronization	Support synchronizing clock information from AC
	Dual tunnel	Support establishing CAPWAP tunnels with two ACs
	PPPOE	Support PPPOE Client
	EoGRE	EoGRE (Ethernet over GRE), generic Routing Encapsulation, used to encapsulate and unpack Ethernet data packets
	IPsec	Cloud AP mode Supports IPsec



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SOFTWARE SPECIFICATIONS

SPECIFICATIONS	Feature	NX-AP7530-07
WLAN extension	RF adjustment	Support Automatic channel/power/bandwidth adjustment
	SSID hiding	Restrict access and improve wireless network security by SSID hiding
	Limit the number of connected users	Supports SSID/RF based
	Forwarding mode	Centralized forwarding/local forwarding/policy forwarding
	Local forwarding	Local forwarding based on SSID and VLAN
	VLAN binding	Supports interface/SSID/MAC binding VLAN based
	User isolation	VLAN-based user isolation SSID-based user isolation
	Load balancing	Supports traffic-based load balancing Supports user-based load balancing Supports frequency band-based load balancing, dual5G devices only
	Band steering	Improve service quality by prioritizing access to 5G frequency bands for wireless clients
	Roaming	Support 802.11k and 802.11v smart roaming Support 802.11r fast transition roaming
	Multicast enhancement	Convert multicast data into unicast data for transmission, reducing network congestion
	Wireless locating	Fit AP mode supports BLE locating Fit AP mode supports RSSI locating
	IOT	Support Built-in BLE, External RFID and ZigBee
	Mesh	Mesh link Mesh link security Multi-hop Mesh
	Wireless probing	Monitor the wireless network environment by monitoring wireless network messages
	Hotspot 2.0	Fit AP mode Support Hotspot 2.0
	Bonjour gateway	Forwarding mDNS packets across VLANs



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SOFTWARE SPECIFICATIONS

SPECIFICATIONS	Feature	NX-AP7530-07
User Authentication	802.1X authentication	Support local 802.1X authentication Support remote 802.1X authentication
	MAC authentication	Support local MAC authentication Support remote MAC authentication
	Portal authentication	Support local Portal authentication Support remote Portal authentication Support Guest/Captive portal Support portal mac-trigger Support portal escape
	PSK	Support PSK and Private-PSK
	PPSK	Private Pre-Shared Key, obtain passwords to access wireless networks through the Cloudnet platform
	Social Media APPs Authentication	Cloud AP mode Support Google/Facebook/Twitter
	Extensible Authentication Protocol (EAP)	EAP-Transport Layer Security (TLS) EAP-Tunneled TLS (TTLS) Microsoft Challenge Handshake Authentication Protocol (MSCHAP) v2 Protected EAP (PEAP) v0 or EAP-MSCHAP v2 EAP-Flexible Authentication via Secure Tunneling (EAPFAST) PEAP v1 or EAP-Generic Token Card (GTC) EAP-Subscriber Identity Module (SIM)
Wireless Security	Encryption	TKIP, CCMP WPA2-Personal (802.11i) WPA2-Enterprise with 802.1X WPA3-Personal, WPA3-Enterprise WPA3-Enhanced Open (OWE) Advanced Encryption Standard (AES)
	Forwarding security	Packet filtering MAC address filtering Broadcast storm suppression
	Wireless EAD	With the EAD (End user Admission Domination) solution, it implements security policies on user terminals accessing the network to improve wireless network security Coupled with EAD (End user Admission Domination) solution, implement security policies for terminals accessing the network to improve wireless network security
	Management frame protection	Provide management frame protection for wireless clients to enhance wireless network security
	802.1X Client	Provide Ethernet port access protection for AP to enhance wireless network security



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SOFTWARE SPECIFICATIONS

SPECIFICATIONS	Feature	NX-AP7530-07
Wireless Security	WIPS	Wireless Intrusion Prevention System, protect the network from unauthorized access, such as Rogue AP, Rogue client, Rogue Wireless Bridge, Ad-hoc
	IPSG	IP source guard (IPSG) prevents spoofing attacks by using an IPSG binding table to filter out illegitimate packets.
Layer 2 and Layer 3	IP address configuration	Static IP/DHCP assigned IP
	Multicast	IGMP Snooping/MLD Snooping
	DHCP	Server/client/relay
	NAT	NAT/NPAT/NAT ALG/NAT LOG
	LLDP	Link Layer Discovery Protocol, discovering and identifying other LLDP enabled devices and neighboring devices in the network
	STP	Spanning Tree Protocol, preventing loops in the network
	IPv4	Supports ICMP/ACL/DHCP/TFTP/FTP/DNS policy
	IPv6	Supports ICMP/ACL/DHCP/TFTP/FTP/DNS policy
Service Assurance	Remote AP	After the tunnel between AC and AP is disconnected, AP continues to provide services to clients
	Doctor AP*	Fit AP mode supports Doctor AP, simulates wireless client access process, diagnoses network issues, and improves network experience
	Spectrum Analysis*	WSA (Wireless Spectrum Analysis), detects interference promptly through real-time analysis of the network spectrum environment
	Only 802.11ax accessing	Only wireless clients that support 802.11ax can access the network, improving the network experience
	Intelligent bandwidth guarantee	Ensure that different wireless services can obtain the lowest guaranteed bandwidth during network congestion
	Port Aggregation	Multiple uplink ports for port aggregation to increase uplink bandwidth (only applicable to multiple uplink port APs)
	Broadcast suppression	Discard ARP request and response packets from wireless clients during the suppression cycle
	Prohibit weak signal client access	AP prohibits wireless clients with signals below the threshold from accessing, to avoid low-signal clients occupying more channel resources



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SOFTWARE SPECIFICATIONS

SPECIFICATIONS	Feature	NX-AP7530-07
Service Assurance	Terminal roaming navigation	Adjust the AP transmission power to create more roaming conditions and improve the roaming experience
	Actively triggering client relinking	AP actively sends messages to allow wireless clients to reconnect or roam actively
	Adjust channel reuse between APs	RF chip adjusts the environmental noise perceived by the device to improve AP transmission efficiency
	Fast forwarding function for client data services	Intelligent optimization of RF chip business processing can improve performance
	Shorten client sleep time	RF chips shorten client sleep time and improve transmission efficiency through beacons
	Software version anomaly repairing	After the software version is damaged due to abnormal circumstances, AP can automatically download the available software version through AC or cloud platform
Service quality	WMM	Wi-Fi Multimedia, Improve the service quality of audio and video transmission in wireless networks through EDCA scheduling algorithm
	QoS	<p>Priority Class, By marking TOS/DSCP fields to distinguish data streams with different priorities, high priority data streams can be quickly distributed, there by improving service quality</p> <p>Priority Class, supports mapping from wireless priority to wired priority</p> <p>QoS policy mapping, support QoS policy mapping based on SSID and VLAN</p> <p>Layer 2 to Layer 4 packet filtering and traffic classification</p> <p>CAR (Committed Access Rate), by limiting data transmission rate, avoid network congestion caused by traffic congestion</p>
	User bandwidth management	<p>Allocate available bandwidth per STA</p> <p>Allocate total bandwidth for all STA shares based on SSID</p> <p>Dynamically adjust the available bandwidth of STA based on business</p>
	ATF	Air Time Fairness, by allocating an equal amount of RF usage time, reducing wireless channel congestion and improving the efficiency and fairness of wireless networks
	CAC	Call Admission Control, improve the quality of service for wireless clients that have already received high priority by limiting the number of wireless clients that have received high priority



802.11be Indoor Series Access Point NX-AP7530-07



SOFTWARE SPECIFICATIONS

SPECIFICATIONS	Feature	NX-AP7530-07
Service quality	Application Identification	<p>SQA (Software Quality Assurance), identifies audio and video services based on SIP protocol, prioritizing service quality assurance</p> <p>UCC (Unified Communications and Collaboration), increase the processing priority of audio and video services and prioritize ensuring service quality</p>
Power saving	PPC	Per-Packet Control, reduce device power consumption by adjusting the sending interval of data packets
	Green AP mode	Dynamically adjust MIMO configuration based on wireless client access status to reduce device power consumption
	U-APSD	Unscheduled Automatic Power Save Delivery, reduce device power consumption by scheduling VoIP data streams separately from non-VoIP data streams
	SM Power Save	Spatial Multiplexing Power Save, reduce device power consumption through low-power standby mode
Management and maintenance	Centralized management	Fit AP mode, managed by AC Cloud AP mode, managed by the Cloudnet platform
	GUI	Cloud AP mode Support WEB management via HTTP/HTTPS
	SNMP	Cloud AP mode Support SNMP V1/V2c/V3
	Remote debugging	Support SSH V2.0/Telnet/FTP/TFTP
	Local debugging	Support CLI
	Information maintenance	Cloud AP mode Support Syslog
	Secure boot	Supporting firmware protection, ensuring the integrity of the subsequent running program codes through the trusted Boot-Loader, forming a trusted device boot chain
	Netconf	Cloud AP mode Support Netconf provides programmable and scalable methods to manage network devices
IEEE standards	802.11	IEEE 802.11a/b/g/n/ac/ac Wave 2/ax/be IEEE 802.11d/e/h/i/w/u IEEE 802.11k/v/r
	802.3	802.3af/at/bt
	802.15	802.15.1
Wi-Fi Certified	Wi-Fi Alliance: Wi-Fi 6E, Wi-Fi 6, WMM, WPA, WPA2 and WPA3 – Enterprise, Personal (SAE), Enhanced Open (OWE)	

NOTE: The features marked with * can be implemented through software upgrade.



802.11be Indoor Series
Access Point
NX-AP7530-07



ORDERING INFORMATION

MODEL	Product Description
NX-AP7530-07	NODEXON NX-AP7530-07 Internal Antennas 6 Streams Triple Radio 802.11be/ax/ac/n Industrial Access Point (1*GE+1*10GE+1*10G PSFP), FIT (Mounting bracket not included)

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