

# Enhanced **CONNECTIVITY** delivers a superior user experience

Solve connectivity challenges in high density environments with indoor and outdoor next-generation WLAN solutions



**NODEXON**<sup>®</sup>  
redefining networks

[www.nodexon.com](http://www.nodexon.com)



# The foundation that delivers the services your business needs to grow

## Autonomous network

Autonomous networks are configured and provisioned automatically. They ensure mission critical, secure network operations, and optimize the user experience. In the near future, autonomous networks will automatically adapt to changing business conditions.

Automate mission-critical network operations and improve user experiences

## IoT outcomes

IoT offers digitized physical objects and will be leveraged by at least half of all new applications and business processes in the coming years. With NODEXON Digital Age Networking, IoT devices are automatically and securely connected to enterprise networks, and easily managed. There is no longer a limit to the scale of IoT deployments.

Scale up digitalization through secure IoT onboarding and management

## Business innovation

New business processes are optimized when they leverage user, application, and IoT metrics in real-time. It integrates technology innovations including IoT, location services, and collaboration platforms, to help businesses optimize processes and services. This is the key to innovation, improved productivity, workflow optimization, and an enhanced user experience.

Accelerate digital transformation with new automated workflows

## NODEXON Wi-Fi 6 | Beyond Technology Breakthrough



### IoT Integration

Integrated BLE / Zigbee module No extra investment Ready for Future



### Smart Antenna Design

5th gen smart antenna X-sense Stacked ultra-high-density antenna design 360° zero dead zone



### AI Cloud

Lifetime FREE Anytime Anywhere Monitoring One-click AI Optimization

# Wi-Fi 6

## The Advance Way of Networking

**NODEXON** Wi-Fi 6 features a variety of technologies, all in one place. Features including professional radio frequency technology, scenario-oriented & adaptive array antennas, AI deep learning, WIS 3.0 for big data modeling with our unique high-reliability full-stack network protocol.

### Wi-Fi 6 Quick Facts

#### 6th Gen

802.11ax is the 6th generation of Wi-Fi, and will be known simply as "Wi-Fi 6"

#### 4x Capacity

Wi-Fi 6 supports flexible channel sizes & resource units that allow operators to offer more efficient IoT support

#### IoT Optimized

The new standard will introduce quadruple of capacity for devices more than 802.11ac

## Uplifting Our future With **Wi-Fi 6**

In industries such as schools, workplaces, and industrial production, digital technologies such as hd video conferencing, VR and AR are gaining traction. The **WI-FI-6** wireless network enables smooth access to fulfill the lan's growing demand for high density and bandwidth.

### Smart Classroom

Multi-screen Wireless Projection Bandwidth: 30 Mbps per user Latency: 50ms

### Virtual Desktop

VDI Terminals Bandwidth: 30 Mbps per user Latency: 50ms

### Wireless Streaming

4K High-definition Video Bandwidth: 20 Mbps per channel Latency: 20ms

### VR/AR

Wireless Terminals Bandwidth: 25 Mbps per user Latency: 20ms

### Auto Vehicle Navigation

3D Mapping Data by AGV Bandwidth: 20 Mbps per vehicle Latency: 10ms

### Enterprise Office

Video Conferencing Bandwidth: 30 Mbps per user Latency: 100ms





# WIRELESS DEVICES

Indoor | Outdoor | Bridge  
Access Point

**Wi-Fi 6**

The Advance Way of Networking

## NX-AP7540-C6



### Wi-Fi 6 Dual-band Indoor AP (6-Stream)

#### Key Features

- › 6 Spatial Streams
- › 1024 Client Connections Possible
- › IoT Ready
- › BLE Module Integrated
- › AI Wireless Optimization

## NX-AP7550-C6



### Wi-Fi 6 Dual-band Indoor AP (12-Stream)

#### Key Features

- › 6 Spatial Streams
- › 1024 Client Connections Possible
- › IoT Ready
- › BLE Module Integrated
- › AI Wireless Optimization

## NX-AP7520-C6



### Wi-Fi 6 Dual-band Wall AP (IoT)

#### Key Features

- › Wi-Fi 6 Dual-Band 802.11ax Technology
- › 2x2 MU-MIMO, 2400 Mbps, Max 1024 Users
- › Seamless Roaming with WLAN Controller
- › Fat/Fit Management Options
- › AI Wireless Optimization

## NX-AP6650-C5



### Wi-Fi 6 Selectable Dual-band Indoor AP

#### Key Features

- › 2.4G Frequency Band
- › Up to 4 SSIDs Supported
- › 300Mbps Wireless Rate
- › Hardware Watchdog Design
- › SSID VLAN Support

## NX-AP6680-C5

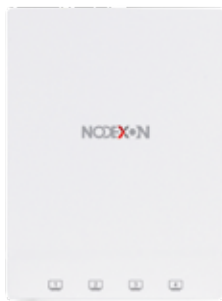


Dual Band Wireless Ceiling AP

### Key Features

- > 11AC Dual-Band Concurrency
- > Wireless Speed of 1200Mbps
- > Gigabit WLAN Port + Gigabit LAN Port
- > Qualcomm main chip
- > Smooth Operation of 120 Terminal Devices

## NX-AP5680-W6



Dual Band Wireless Ceiling AP

### Key Features

- > Wi-Fi 6 Dual-Band 802.11ax Technology
- > Wall Plate Access Point
- > Built-in IoT Module
- > HD IPTV Application
- > AI Wireless Optimization
- > OFDMA, MU-MIMO and BSS Technology

## NX-AP8620-6



Wi-Fi 6 Outdoor Directional AP

### Key Features

- > Public Cloud With Integrated Captive Portal
- > Wireless Controller
- > WiFi 6 Certified
- > 2.4Gbps with concurrent dual-band Design
- > 1024 Client connections
- > OFDMA, MU-MIMO and BSS Technology

## NX-AP8530-5



Wi-Fi 5 Outdoor Omni-directional AP

### Key Features

- > 802.11ac Superior Wireless Performance
- > Built-in Smart Antenna of AP630 (IODA)
- > Flexible Gigabit Uplink
- > Easy-to-use Mount-Kit
- > Intelligent Device Recognition
- > Comprehensive Remote Management

## NX-AP8520-5



Wi-Fi 5 Wave2 Outdoor Directional AP

### Key Features

- › 802.11ac Superior Wireless Performance
- › Built-in Smart Antenna of AP630 (IODA)
- › Flexible Gigabit Uplink
- › Easy-to-use Mount-Kit
- › Intelligent Device Recognition
- › Seamless Roaming Experience

## NX-BR3810-CPE



5G wireless bridge (1KM transmission distance)

### Key Features

- › 8KV Lightning Protection
- › 8dBi Industrial Grade Antenna
- › Qualcomm Solution
- › Watchdog Design
- › Factory Free Configuration
- › 2KM Maximum Transmission Distance

## NX-BR3830-CPE



5G wireless bridge (3KM transmission distance)

### Key Features

- › 8KV Lightning Protection
- › 14dBi Industrial Grade Antenna
- › Qualcomm Solution
- › Watchdog Design
- › Factory Free Configuration
- › 3KM Maximum Transmission Distance

## NX-BR3850-CPE



300Mbps AP wireless wall mount

### Key Features

- › 8KV Lightning Protection
- › 8dBi Industrial Grade Antenna
- › Qualcomm Solution
- › Watchdog Design
- › Factory Free Configuration
- › 5KM Maximum Transmission Distance



## NODEXON WIFI 6

Nodexon Access Points Have Built-in Controller Functionality Eliminating The Need For Physical Centralized Controllers.

These Smart And Advanced Aps Are Managed As A Single System Or Cluster, In A Distributed And Coordinated Manner