![Inventec 5G logo]

# Inventec NX-H2201

## Open, Smart, Agile

## Highlights

- 5G：Support SA/NSA Dual mode.
  Supports NR Bands.

- 4G/Lte：Supports TDD Bands.
  Supports FDD Bands.

- Complies with 3GPP Release 16 standards.

- 1000 Mbps Ethernet interface.

- Supports Wi-Fi 6 AX1800, dual-bands.

- Peak data rate of up to：
  NR SA DL 2500Mbps, UL 900Mbps.
  NR NSA DL 3500Mbps,UL 555Mbps.

- 256QAM for DL and 256QAM for UL as the highest order modulation formats.

| WiFi | 5G | 4G |
|------|-----|-----|
| Wi-Fi 6 AX1800 | 5G NR SA DL/UL：2CA* / 1CA | LTE DL/UL：Max. 5CA / Max. 4CA5CA / Max. 4CA |

- Built-in Omni-directional 5G and WiFi antennas.

- GUI-based local and remote Web management.

- Excellent Non-Line-of-Sight (NLOS) coverage.

- Supports TR069 network management protocol.

- Support security lock : Cell lock, SIM lock, Pin lock

- User-friendly LED status indicators.

- Transparent bridge mode ( L2 Support ) .

## Introduction

Inventec NX-H2201 are 5G indoor CPE supports two network architectures, 5G Standalone (SA) and non-Standalone (NSA), with faster transmission speed, better bearing capacity and lower network delay.

CPE supports 5G Sub6 band access to base station, LAN side supports Wi-Fi 6 access, providing perfect high speed experience for customers in laptop, gateway, industrial monitoring, telemedicine, unmanned aerial vehicle, virtual reality and immersive experience (VR and AR).

The product comes with a standard one-year warranty; an extended warranty is available.

### About Inventec

Since its founding in 1975, Inventec has grown from an early manufacturer of computers and telephones to a leading design manufacturer of notebooks, servers, and wireless communication products. With the advent of the 5G generation, Inventec is expanding its capabilities in 5G private network system integration and architecture, transforming its world-class manufacturing facilities into 5G smart factories.

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**Learn more of Inventec 5G Smart Factory**

# Inventec 5G

## NX-H2201 | Product Specifications

| | | | |
|---|---|---|---|
| **Technology Standard** | 5G NR TDD FDD(3GPP R16) | **VPN** | L2TP L2/L3, GRE L2/L3 |
| **Frequency Bands** | N1/N2/N3/N5/N7/N8/N12/ N13/N14/N18/N20/N25/N26/ N28/N29/N30/N38/N40/ N41/N48/N66/N70/N71/ N75/N77/N78/N79/B1/B2/ B3/B4/B5/B7/B8/B12/B13/ B14/B17/B18/B19/B20/B25/ B26/B28/B29/B30/B32/B34/ B38/B39/B40/B41/B42/B43/ B46/B48/B66/B71 | **NAT** | Port forwarding, port trigger, DMZ, ALG |
| | | **Diagnostics** | TCP dump, ping, traceroute |
| | | **Statistics** | LTE status; connection/system up time; device status; DHCP client list; Wi-Fi station list; firewall status |
| **Channel Bandwidth** | NR: 5~100 MHz LTE: 100 MHz as maximum aggravated bandwidth (5 CC) EN-DC: 80+100 MHz (4DL + FR1) | **Maintenance** | Date and time setting; reboot; restore factory settings; restore or back up configuration file; firmware upgrade locally or OTA |
| | | **CBRS** | Automatic installation of CBSD certificate* |
| **Multiplexing** | DL 4x4 MIMO, UL 2x2MIMO | **Antenna Type & Gain** | Internal omni, 2T4R, 1~8 dBi |
| **Security** | Firewall: IP/MAC/URL filter; ACL rule | **Max Transmit Power & EIRP** | 26dBm (combined, to regional EIRP limit) |
| **Ethernet Interface** | 3 RJ-45 port 10/100/1000 auto-sensing, auto-MDX, WAN/LAN | **LED Indicators** | Power, WLAN, 4G, 5G |
| | | **Restore & WPS Button** | Press 10 seconds to factory restore, Press WPS or Easy Mesh |
| **Protocols Used** | IPv4/IPV6, UDP, TCP, IP, ICMP, SNMPv2c, SNMPv3c, HTTPS, SSH, TELNET, TR069, TR104, CBSD | **Power Switch** | Push 1.5s for ON/OFF |
| | | **Temperature** | Operating Temperature: 14° F to 113° F /-10° C to 45° C Storage Temperature: -4° F to 158° F / -20° C to 70° C |
| **Network Management** | Web GUI, ACS, OMC, SNMP | **Humidity** | 5%~95% |
| **VLAN** | 802.IQ | **Power Consumption** | <20 W |
| **Peak Data Rate** | | **Power Supply** | With DC Adaptor： INPUT 100-240VAC OUTPUT 12VDC 2A |
| | | **Weight** | About 1.98lbs/0.9kg |
| | | **Dimensions** | 9.06 x 3.88 x 4.35 inches / 226.5 x 97.2 x 108.9 millimeters |
| **Modulation** | DL: QPSK, 16QAM, 64QAM, 256QAM UL: QPSK, 16QAM, 64QAM, 256QAM | **Wi-Fi Standard Peak Rate** | IEEE 802.11 b:11Mbps/g:54Mbps/ n:300Mbps/ac:866Mbps ax:5G:1200Mbps,2.4G:574Mbps |
| **Carrier Aggregation** | LTE DL/UL:Max. 5CA / Max. 4CA ENDC DL/UL:LTE 5CA + NR 1CA / LTE 3CA + NR 1CA NR SA DL/UL: 2CA* / 1CA | **Channel Bandwidth** | 20MHz,40MHz,80 MHz |
| | | **Frequency** | 2.4 GHz, 5GHz |
| **Network Mode** | NAT or Bridge | **Antenna MIMO Type & Gain** | 2x2 MIMO, Internal omni 2T2R, 3~5dBi |
| **SIM & USIM** | PIN management, SIM lock | **NX-H2201** | Indoor 5G 2T4R, WW NR CPE N48 (3.55 ~ 3.7 GHz)/N78 (3.3 ~ 3.8 GHz)/ N79 (4.4 ~ 5.0 GHz) External Antenna, 3*RJ45 , DC Adaptor 12VDC 2A |
| **Network Connection** | Auto or manual | | |
| **LTE Scan Mode** | Full band scan or frequency lock | | |

**Peak Data Rate**

| | DL (Mbps) | UL (Mbps) |
|---|---|---|
| NR SA | Max. 2500 | Max. 900 |
| NR NSA | Max. 3500 | Max. 555 |
| LTE | Max. 1600 | Max. 211 |