

Invented 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.







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 Invented

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.

Inventec Corporation

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NX-H2201 | Product Specifications

Technology	Standard 3G NR TDD FDD(SGPP RIO) 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/ Bands 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/
N13/N14/N18/N20/N25/N26/N28/N29/N30/N38/N40/N26/N70/N71/N26/N70/N71/N26/N70/N71/N26/N70/N71/N26/N70/N71/N26/N70/N71/N26/N70/N26/N28/N29/N30/N38/N40/N41/N48/N66/N70/N71/N26/N70/N26/N28/N29/N30/N38/N26/B26/B28/B26/B28/B29/B30/B32/B34/B38/B39/B40/B41/B42/B43/B46/B48/B66/B71	N13/N14/N18/N20/N25/N26/ N28/N29/N30/N38/N40/ N41/N48/N66/N70/N71/ N75/N77/N78/N79/B1/B2/ Bands 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/
Channel BandwidthLTE: 100 MHz as maximum aggravated bandwidth (5 CC) EN-DC: 80+100 MHz (4DL + FRI)MultiplexingDL 4x4 MIMO, UL 2x2MIMOSecurityFirewall: IP/MAC/URL Plter; ACL ruleEthernet Interface3 RJ-45 port 10/100/1000 auto-sensing, auto-MDX, WAN/LANProtocols UsedIPv4/IPv6, UDP, TCP, IP, ICMP, SNMPv3c, SNMPv3c, HTTPS, SSH, TELNET, TR069, TR104, CBSDNetwork ManagementWeb GUI, ACS, OMC, SNMPVLAN802.IQDL (Mbps) NR SA NR SA Max. 2500 NR NSA Max. 3500 Max. 900NR NSA NR NSA NSA Max. 1600 Max. 3500 Max. 256QAM UL: QPSK, 16QAM, 64QAM, 256QAM UL: QPSK, 16QAM, 64QAM, 256QAM UL: QPSK, 16QAM, 64QAM, 256QAM UL: QPSK, 16QAM, 64QAM, 256QAM UL: 2CA* / 1CACarrier AggregationLTE DL/UL:Max. 5CA / Max. 4CA ENDC DL/UL: TE 5CA + NR 1CA / LTE 3CA + NR 1CA NR SA DL/UL: 2CA* / 1CANetwork ConnectionNAT or BridgeSIM & USIMPIN management, SIM lockNetwork ConnectionAuto or manual	
Firewall: IP/MAC/URL Piter; ACL rule 3 RJ-45 port 10/100/1000 auto-sensing, auto-MDX, WAN/LAN Protocols Used IPv4/IPv6, UDP, TCP, IP, ICMP, SNMPv2c, SNMPv3c, HTTPS, SSH, TELNET, TR069, TR104, CBSD Network Management Web GUI, ACS, OMC, SNMP Peak Data Rate DL (Mbps) UL (Mbps) NR SA Max. 2500 Max. 900 NR NSA Max. 3500 Max. 555 LTE Max. 1600 Max. 211 Modulation DL: QPSK, 16QAM, 64QAM, 256QAM UL: QPSK, 16QAM, 64QAM, 256QAM UL: QPSK, 16QAM, 64QAM, 256QAM UL: QPSK, 16QAM, 64QAM, 256QAM NETE DL/UL: Max. 5CA / Max. 4CA ENDC DL/UL: LTE 5CA + NR 1CA / LTE 3CA + NR 1CA NR SA DL/UL: 2CA* / 1CA Network Mode NAT or Bridge SIM & USIM PIN management, SIM lock Network Connection Auto or manual	Channel LTE: 100 MHz as maximum aggravated bandwidth (5 CC)
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auto-sensing, auto-MDX, WAN/LAN Protocols Used IPv4/IPV6, UDP, TCP, IP, ICMP, SNMPv2c, SNMPv3c, HTTPS, SSH, TELNET, TR069, TR104, CBSD Web GUI, ACS, OMC, SNMP	
SNMPv2c, SNMPv3c, HTTPS, SSH, TELNET, TR069, TR104, CBSD	Interface auto-sensing, auto-MDX,
ManagementVLAN802.IQDL (Mbps) UL (Mbps)NR SAMax. 2500 Max. 900NR NSAMax. 3500 Max. 555LTEMax. 1600 Max. 211ModulationDL: QPSK, 16QAM, 64QAM, 256QAMCarrier AggregationLTE DL/UL:Max. 5CA / Max. 4CA ENDC DL/UL:LTE 5CA + NR 1CA / LTE 3CA + NR 1CA NR SA DL/UL: 2CA* / 1CANetwork ModeNAT or BridgeSIM & USIMPIN management, SIM lockNetwork ConnectionAuto or manual	Protocols Used SNMPv2c, SNMPv3c, HTTPS, SSH, TELNET, TR069, TR104,
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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 Network Mode NAT or Bridge SIM & USIM PIN management, SIM lock Network Connection Auto or manual	Peak Data Rate NR SA Max. 2500 Max. 900 NR NSA Max. 3500 Max. 555
Carrier Aggregation ENDC DL/UL:LTE 5CA + NR 1CA / LTE 3CA + NR 1CA NR SA DL/UL: 2CA* / 1CA Network Mode NAT or Bridge SIM & USIM PIN management, SIM lock Network Connection Auto or manual	
SIM & USIM PIN management, SIM lock Network Connection Auto or manual	Carrier ENDC DL/UL:LTE 5CA + NR 1CA Aggregation / LTE 3CA + NR 1CA NR SA
Network Connection Auto or manual	Network Mode NAT or Bridge
Connection Auto or manual	SIM & USIM PIN management, SIM lock
ITE Scan Mode Full band scan or frequency lock	Auto or manual
Tall build scall of frequency lock	

VPN	L2TP L2/L3, GRE L2/L3
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; Þrewall status
Maintenance	Date and time setting; reboot; restore factory settings; restore or back up configuration file; Prmware upgrade locally or OTA
CBRS	Automatic installation of CBSD certiPcate*
Antenna Type & Gain	Internal omni, 2T4R, 1~8 dBi
Max Transmit Power & EIRP	26dBm (combined, to regional EIRP limit)
LED Indicators	Power, WLAN, 4G, 5G
Restore & WPS Button	Press 10 seconds to factory restore, Press WPS
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
Humidity	5%~95%
Power Consumption	<20 W
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
Wi-Fi Standard Peak Rate	IEEE 802.11 b:11Mbps/g:54Mbps/ n:300Mbps/ac:866Mbps ax:5G:1200Mbps,2.4G:574Mbps
Channel Bandwidth	20MHz,40MHz,80 MHz
Frequency	2.4 GHz, 5GHz
Antenna MIMO Type & Gain	2x2 MIMO, Internal omni 2T2R, 3~5dBi
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

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