

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.



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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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
Channel Bandwidth	NR: 5~100 MHz LTE: 100 MHz as maximum aggravated bandwidth (5 CC) EN-DC: 80+100 MHz (4DL + FR1)			Diagnostics	TCP dump, ping, traceroute
Multiplexing	DL 4x4 MIMO, UL 2x2MIMO			Statistics	LTE status; connection/system up time; device status; DHCP client list; Wi-Fi station list; Firewall status
Security	Firewall: IP/MAC/URL Filter; ACL rule			Maintenance	Date and time setting; reboot; restore factory settings; restore or back up configuration file; Firmware upgrade locally or OTA
Ethernet Interface	3 RJ-45 port 10/100/1000 auto-sensing, auto-MDX, WAN/LAN			CBRS	Automatic installation of CBSD certificate*
Protocols Used	IPv4/IPv6, UDP, TCP, IP, ICMP, SNMPv2c, SNMPv3c, HTTPS, SSH, TELNET, TR069, TR104, CBSD			Antenna Type & Gain	Internal omni, 2T4R, 1~8 dBi
Network Management	Web GUI, ACS, OMC, SNMP			Max Transmit Power & EIRP	26dBm (combined, to regional EIRP limit)
VLAN	802.1Q			LED Indicators	Power, WLAN, 4G, 5G
Peak Data Rate		DL (Mbps)	UL (Mbps)	Restore & WPS Button	Press 10 seconds to factory restore, Press WPS
	NR SA	Max. 2500	Max. 900	Power Switch	Push 1.5s for ON/OFF
	NR NSA	Max. 3500	Max. 555	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
Modulation	DL: QPSK, 16QAM, 64QAM, 256QAM UL: QPSK, 16QAM, 64QAM, 256QAM			Humidity	5%~95%
	LTE DL/UL:Max. 5CA / Max. 4CA ENDC DL/UL:LTE 5CA + NR 1CA / LTE 3CA + NR 1CA NR SA DL/UL: 2CA* / 1CA			Power Consumption	<20 W
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			Power Supply	With DC Adaptor: INPUT 100-240VAC OUTPUT 12VDC 2A
Network Mode	NAT or Bridge			Weight	About 1.98lbs/0.9kg
SIM & USIM	PIN management, SIM lock			Dimensions	9.06 x 3.88 x 4.35 inches / 226.5 x 97.2 x 108.9 millimeters
Network Connection	Auto or manual			Wi-Fi Standard Peak Rate	IEEE 802.11 b:11Mbps/g:54Mbps/ n:300Mbps/ac:866Mbps ax:5G:1200Mbps, 2.4G:574Mbps
LTE Scan Mode	Full band scan or frequency lock			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