

Inventec NX-H2200

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.
- 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) .



Wi-Fi 6
AX1800



5G NR SA DL/UL :
2CA / 1CA



LTE DL/UL :
Max. 5CA / Max.
4CA5CA / Max. 4CA

Introduction

Inventec NX-H2200 are 5G outdoor 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 WiFi6 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-H2200 | Product Specifications

Technology Standard	5G NR TDD FDD(3GPP R16)			Diagnostics	CP dump, ping, traceroute
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			Statistics	LTE status; connection/system up time; device status; DHCP client list; Wi-Fi station list; Prewall 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; Pmware upgrade locally or OTA
Multiplexing	DL 4x4 MIMO, UL 2x2MIMO			CBRS	Automatic installation of CBSD certiPcate*
Security	Firewall: IP/MAC/URL filter; ACL rule			Antenna Type & Gain	Internal omni, 2T4R, 1~8 dBi
Ethernet Interface	1 RJ-45 port 10/100/1000 auto-sensing, auto-MDX, WAN/LAN			Max Transmit Power & EIRP	26dBm (combined, to regional EIRP 27~34 dBm limit)
Protocols Used	IPv4/IPv6, UDP, TCP, IP, ICMP, SNMPv2c, SNMPv3c, HTTPS, SSH, TELNET, TR069, TR104, CBSD			IP Protection Rating	IP67
Network Management	Web GUI, ACS, OMC, SNMP			LED Indicators	MIU, LTE, SIM, LAN, PWR, LTE Signal
VLAN	802.IQ			Restore Button	Press 10 seconds to factory restore.
Peak Data Rate		DL (Mbps)	UL (Mbps)	Temperature	Storage Temperature: -40° F to 158° F / -40° C to 70° C
	NR SA	Max. 2500	Max. 900	Humidity	5%~95%
	NR NSA	Max. 3500	Max. 555	Power Consumption	<24 W
	LTE	Max. 1600	Max. 211	Power Supply	With DC Adaptor: INPUT 100-240VAC OUTPUT 24VDC 1A
Modulation	DL: QPSK, 16QAM, 64QAM, 256QAM UL: QPSK, 16QAM, 64QAM, 256QAM			Weight	About 4.4 lbs / 2 kg
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			Dimensions	9.8 x 9.8 x 3.2 inches / 248 x 248 x 80 millimeters
Network Mode	NAT or Bridge			Wi-Fi Standard & Peak Rate	IEEE 802.11 b:11Mbps/g:54Mbps/ n:300Mbps/ac:866Mbps ax:5G:1200Mbps,2.4G:574Mbps
SIM & USIM	PIN management, SIM lock, 1.8V/3V 4FF			Channel Bandwidth	20MHz,40MHz,80 MHz
Network Connection	Auto or manual			Frequency	2.4 GHz, 5GHz, 6Ghz
LTE Scan Mode	Full band scan or frequency lock			Modulation	DSSS/CCK, OFDM
VPN	L2TP L2/L3, GRE L2/L3			Max Output Power	24 dBm * 2 + 24 dBm * 2
NAT	Port forwarding, port trigger, DMZ, ALG			Antenna MIMO Type & Gain	2x2 MIMO, N-type external omni antenna
				Active Users	512
				NX-H2200	Outdoor 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