Inventec 5G

Inventec NX-R2100 Series

Open, Smart, Agile

Highlights

- Supporting FR1, Bandwidth for 5G private network.
- Supporting eCPRI、O-RAN Split Option7-2.
- Supporting GPS/IEEE 1588v2/SyncE time synchronization.
- Supporting SU-MIMO 4x4.
- 200 active users per cell.

Enhanced Performance and High Efficiency

The NX-R2100 is an indoor 4x250mW RRU product that operates in Time Division Duplexing(TDD), Combined with Inventec Building Baseband Unit (BBU) and rHUB, these products form a distributed solution to provide wireless indoor coverage solution, improving the indoor coverage range and capacity and eliminating blind spots with low cost.

Flexible Deployment

NX-R2100 supports TDD frequency band with compact design, which is easy to deploy. It also provides PoE+ power supply (customized), only one Ethernet cable required for data transmission and power supply from the HUB.

Supporting SU-MIMO 4x4

FR1, Bandwidth for 5G private network

GPS/ IEEE1588v2/ SyncE time synchronization

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

NX-R2100 Series | Product Specifications

Item	Description
Air Standard	NR
RF Standard	3GPP 38.104
Frequency Bands	NR: N79 / N78 / N48
Max Output Power	24 dBm
Channel Bandwidth	NR: 100 MHz
MIMO	DL: 4x4
Interface Type	eCPRI (XRAN 7-2 a)
Data Interface	2 x 10GE optical fiber interface
Power Consumption	-40.5 to 57 VDC, Nominal -48VDC
Power Supply	≤ 96W
Installation	Ceiling or wall mount
Antenna Port	4T4R
Dimensions (HxWxD)	9.1 x 9.1 x 2.8 inches (230 x 230 x 70 mm)
Weight	5.3 lbs / 2.4kg

Basic Report Function	RSSI, TSSI (transmission signal strength), and temperature, etc.
Cooling Method	Natural convection cooling
DC Power Supply	Supported
Supported DU	Supported
1588 function	Supported
syncE	Supported
MTBF	≥ 150000 hours
MTTR	≤ 1 hour
Operating Temperature	14° F to 131° F / -10° C to 55° C
Humidity	5% to 95%
Ingress Protection Rating	IP20
Seismic Specification	Telcordia GR-63-CORE Section 4.4 Zone 4
EMC	ETSI EN 301 489-4 ETSI EN 301 908-1
Safety	EN 60950-1 Last edition EN 60950-22 Last edition
RF	EN 301 908-1 V6.2.1 EN 301 908-14 V5.2.1

NX-R2100 Series | BTO : Build-to-order

Model Name	Band	Interface	Splits Options
NX-R2150	N79 (4.8-4.9 GHz)	CPRI	Option 8
NX-R2110	N79 (4.8-4.9 GHz)	eCPRI	Option 7.2
NX-R2112 (BTO)	N78 (3.3-3.6 GHz)	eCPRI	Option 7.2
NX-R2116 (BTO)	N48 (3.35-3.7 GHz)	eCPRI	Option 7.2
NX-R2117 (BTO)	N78 (3.6-3.8 GHz)	eCPRI	Option 7.2