ABSIDE Networks

AI3DR™ RC n79 Complete gNB (RU/CU/DU)

AI3DR™ RC n79 Complete gNB (RU/CU/DU) is a dual (2) 5G gNB unit optimized for use with radiating cables (a.k.a. “Leaky Coax”) for indoor locations and supporting the 5G waveform across all 600 MHz of the 5G NR n79 spectrum (4400 MHz through 5000 MHz) from a single unit / SKU.

The AI3DR™ enables ***multiple concurrent different frequency*** active 5G cells providing industry-leading performance and throughput. The AI3DR™ transmit power can be granularly reduced in order to limit RF spillage for sensitive locations.



Uplink & Downlink	5G Band n79 (NATO Band IV) 4400 MHz – 5000 MHz
External Antenna	Optimized for use with Radiating Cable solutions
Scalable RF	4 Active Cells @ 4T4R or 8 Active Cells @ 2T2R
TX Power	8 W Total RF Power 1 W (30 dBm) per port
5G NR Bandwidths	10, 20, 30, 40, 50, 60, 70, 80, 90, & 100 MHz (3GPP Rel.17)
Peak Data Rates	DL +1 Gbps UL +1 Gbps
Duplex Schema	5G NR Dynamic TDD
I/O’s & Interfaces	10 GE backhaul 1 GE IPMI O-RAN Compliant Integrated GPS for asynchronous vRAN Power 100-240VAC, 50-60Hz
Environ-mentals	Indoor Use Only +10ºC to +35ºC
Size	4RU (~7” x ~19” x ~30”)

BYOD – Proven Compatibility with 5G COTS Modems
Best in class MAC layer for optimum bandwidth sharing

Up to 4 Simultaneous Different Frequency Cells @ 4T4R with Massive MIMO for maximal TX and RX performance
or
Up to 8 Simultaneous Different Frequency Cells @ 2T2R with Massive MIMO for Maximal RF coverage

The AI3DR™ transmit power can be granularly reduced in order to limit RF spillage for sensitive locations

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AI3DR-8T8RC-N79 TAA Compliant
www.abside-networks.com
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