CellBox Air gNodeB

A multi-gigabit 5G mmWave gNodeB of superior stability and excellent economics for outdoor and macro cell deployments.

Specification

Performance	4+ Gbps
Latency	< 5 ms
Deployment	Outdoor, macro cell
Frequency Bands	n257: 26.5 - 29.5 GHz n258: 24.25 - 27.5 GHz
Modulation Scheme	64 QAM / 256 QAM
Bandwidth	3 x 400 MHz
Duplex	TDD
Antenna	2T2R
Sub Carrier Spacing	120 kHz
Backhaul interface	10G SFP+
RU Installation	Wall mount
RU Dimensions	430 x 270 x 75 mm
RU Weight	9.4 kg
RAN Server	1U
Operations & Maintenance	Full Fault, Configuration, Performance, Security Management

Product Overview

CellBox Air gNodeB is a carrier-grade wireless base station for deploying high-capacity outdoor 5G mmWave networks of outstanding stability and near-zero latency, facilitating ultra-fast connections between the user device and the core network.

It consists of:

- **a powerful CellBox Air 5G mmWave Radio** that accelerates unique algorithms in the 3GPP-compliant L1 Phy layer to provide users with extraordinary mmWave performance;
- **a scalable RAN** that allows extensive flexibility of 5G network deployment, both in outdoor private networks and fixed wireless access scenarios.

CellBox Air gNodeB provides excellent computing power in higher network layers and leverages the disaggregated architecture, which allows for the connection of multiple 5G mmWave radios, cost-efficiently expanding coverage.

It supports all unique Microamp 5G mmWave network features, such as Integrated Access and Backhaul, with Backhaul Adaptation Protocol applied in the DU layer, Mobility Mode, and Uplink-heavy System.

Every CellBox Air gNodeB is covered by post-deployment service, customer support, and warranty.

About Microamp

Microamp designs and delivers multi-gigabit, ultra-low latency 5G mmWave networks based on purpose-built radios. Leveraging deep tech expertise and a network of partners, Microamp empowers industries, System Integrators, MNOs, governments and research institutions with new dimensions of wireless connectivity.

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