Microamp

NEW!

CellBox One A200
5G mmWave gNodeB

Extremely High Capacity | Carrier-Grade Reliability | Compact All-in-One Form

Explore the product

A compact high-capacity 5G mmWave gNodeB of superior stability and excellent economics for outdoor and macro cell deployments.

The **CellBox One A200 5G mmWave gNodeB** is a high-power, carrier-grade all-in-one wireless base station for deploying high-capacity outdoor 5G mmWave networks of outstanding stability and near-zero latency. Supporting a wide bandwidth, it delivers significantly high peak capacity and expanded coverage for demanding environments.

This powerful system allows acceleration of unique algorithms in the 3GPP-compliant L1 Phy layer to provide users with extraordinary mmWave performance. It features a high-output radio configuration that can be upgraded to 4T4R MIMO to double throughput as the network demands scale. The gNodeB comes with a flexible split options:

- option 2 (DU+RU)
- option 0 (CU+DU+RU)

It also offers the possibility to implement CN functions directly in the radio unit.

The **CellBox One A200 5G mmWave gNodeB** provides excellent computing power in higher network layers while remaining a very compact, cost-effective and easy-to-deploy solution. It powers versatile deployment scenarios spanning urban network capacity expansion for MNOs, self-contained tactical networks for defence, factory automation in logistics, multi-channel live broadcasting, heavy machinery teleoperation across ports and high-capacity Fixed Wireless Access (FWA).

Peak Capacity
7.5+ Gbps

Latency
< 5 ms

Bandwidth
1200 MHz

Frequency Bands
5G mmWave:
n257, n258, n261

Deployment
Outdoor, macro cell

Duplex
TDD

Split Options
Option 2 (DU+RU)
Option 0 (CU+DU+RU)
Optional CN in the RU

Microamp is a global leader in resilient 5G and 6G mmWave connectivity for real-time operations. We design, build and deliver ultra-high capacity, near-zero latency end-to-end networks based on our own purpose-built radios.

We merge deep-tech know-how and a broad portfolio of technology partners to empower industries, system integrators, MNOs, DSPs, governments and research institutions worldwide. Our networks support applications requiring deterministic performance and high-uplink throughput, in both commercial and defence sectors, where resilience, security and jamming resistance are crucial.

Microamp system is designed for demanding environments, including critical infrastructure, ports, logistics hubs, public transportation, media production, mass events and specialised military missions.

hello@microamp-solutions.com
+ 48 500 242 127
Ogrodowa 58, 00-876 Warsaw, Poland
microamp-solutions.com

Reach out to us!

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