

# Microamp 5G mmWave Starter Kit

A multi-gigabit, near-zero latency carrier-grade 5G mmWave network for rapid deployment.



## Specification

|                 |  |
|-----------------|--|
| Throughput      | Outdoor: 4 Gbps<br>Indoor: 2 Gbps  |
| Latency         | < 5 ms   |
| Deployment      | End-to-end network   |
| Frequency Bands | n257 (26.5 – 29.5 GHz)<br>n258 (24.25 – 27.5 GHz)<br>n261 (27.5 – 28.35 GHz) |
| Bandwidth       | 800 MHz / 400 MHz  |
| Applications    | Indoor, outdoor, distributed<br>small cell, macro cell, FWA                  |

## Product Overview

The Microamp 5G mmWave Starter Kit is an enterprise-grade, end-to-end 5G mmWave network that can be easily deployed in any outdoor or indoor scenario without substantial upfront investment.

Providing multi-gigabit throughput and near-zero latency, the **Microamp 5G mmWave Starter Kit** is perfect for implementing applications that require processing massive amounts of data in real-time and connecting any 5G assets, such as cameras, vehicles, robots, sensors or smartphones.

It is a turnkey solution that allows for rapid deployment of a fully functional 5G mmWave wireless network in a test environment or directly in the facility in a matter of minutes.

The **Microamp 5G mmWave Starter Kit** 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**.

Each **Microamp 5G mmWave Starter Kit** can be adjusted to unique connectivity requirements and integrated with the core/transport network, CPEs or end devices.

## 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.

## Basic Starter Kit Composition

**2 x 5G mmWave Radio** – Two CellBox 5G mmWave Radios: for outdoor (CellBox Air) and indoor (CellBox Lite) use.

**5G mmWave RAN** – 3GPP-compliant 5G mmWave RAN, providing high computing capacity.

**5G mmWave Core Network** – Scalable network core with a user-friendly interface, easy to install and manage.

**3 x CPE** – Three units of Customer Premises Equipment for integrating end devices with the network.

## Why Starter Kit from Microamp?

**Fully functional mmWave** – A carrier-grade mmWave network, ready to power all your use cases.

**Easy to install** – An out-of-the-box solution that can be deployed within minutes.

**Adjustable and agile** – Each Starter Kit can be adjusted to individual connectivity needs and support specific use case deployments.