



# MX-ORAN

## CLOUD-NATIVE

### 5G+ O-RAN IN A BOX



We are a software company dedicated to telecom and deliver a range of best-in-class end-to-end 4G/5G solutions empowered by O-RAN, Cloud-Native Intelligence, Edge Computing, and Generative AI technologies for R&D and enterprise private 5G.

We help organization to deploy, operate, and automate a high-performance, reliable, and secure 4G/5G infrastructure at scale that is simple to use, customize and extend.



 [www.youtube.com/@bubbleran](https://www.youtube.com/@bubbleran)

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**INCLUSIVE ENVIRONMENT  
FROM LAB TO PRODUCTION**

# FLEXIBLE CLOUD-NATIVE 5G+ O-RAN PLATFORM AT SCALE

INCLUDED

**O-RAN 7.2 O-RU**

- 100MHz, 4x4/8x8 MIMO, R16 SA
- FR1: n78/n79
- FR2: n257

+

**Power Distribution Unit**

- Energy metering & Control
- Redfish protocol

+

**xHaul Switching Fabric**

- Time Sensitive Networking
- QoS and Traffic management
- PTP GM

+

**5G Node (x2)**

- O-RAN 7.2 Fronthaul
- CU and DU Pool
- 5GC with Network Slicing



OPTIONAL

**Application Node (x2)**

- Business Intelligence
- Edge Apps & Services
- Gen AI & LLMs

+

**O-RAN Node (x2)**

- Near-RT RIC & xApps
- Observability Stack & Data Lake
- SMO OAM & Non-RT & rApps

+

**5G Terminals**

- 3x Quectel
- 3x SIM cards

+

**Public Clouds**

## Product Highlights

**Open Ecosystem** Variety of vendors, SMS/xApps/rApps, Open Documentations

**End-to-End 5G+** From rApp to RAN Functions and from 5G UE to Internet with local breakout at UPF

**Observability Stack** with metrics, alerts, resources, stats, and CO2 footprint

**Intelligent Connectivity** With Intent-driven network optimization and automation with TelecomGPT/LLM

**Security & Compliance** across all the levels with policy enforcement (MITRE, NIST) & network scoping

**Sustainable** resource efficiency, infrastructure recycling, and long-term support.

## MX-ORAN Built-in Features

- Cloud-Native O-RAN stack
- Open RAN Studio
- End-to-End Network Slicing
- Open Source and Industrial-grade 5G Stack
- Edge Application and Services