

omlox Starter Kit



# The omlox<sup>®</sup> Starter Kit

Developed in collaboration with



## Complete solution

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A complete, end-to-end hardware and software solution to quickly evaluate and deploy Real-Time Location Systems (RTLS) based on the omlox standard.

## Ready to deploy

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Allows customers to bring an omlox standards-based, interoperable RTLS system online in minutes.

## Built on NXP hardware

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The kit is powered by NXP's new Trimension SR048, an Ultra-Wideband (UWB) SoC delivering high-precision location accuracy needed for complex industrial environments, and the NXP MCX W72 wireless MCU.

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NXP

NXP's new Trimension SR048 industrial-grade UWB SoC provides high-precision ranging for scalable real-time location systems.

Trimension SR048 delivers high-accuracy positioning across multiple UWB ranging modes, including TDoA, RToF and DL-TDoA.

Its low-power architecture supports compact, battery-powered tags, while seamless integration with NXP's MCX W72 accelerates development of UWB-enabled anchors, tags and smart industrial devices.

Suitable for harsh industrial environments, the solution supports a temperature range of  $-40^{\circ}\text{C}$  to  $115^{\circ}\text{C}$ .

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### SynchronicIT

Built on NXP's Trimension SR048 UWB SoC and MCX W72 wireless MCU, SynchronicIT's rechargeable UWB wearable tags and anchors provide high-accuracy real-time location data, while supporting multiple connectivity options for seamless integration into industrial environments.

SynchronicIT's auto topology location engine, delivered as part of the omlox Core Zone V2.1 software stack, ensures fast setup and scalable positioning performance across different use cases.

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### Flowcate

Flowcate's DeepHub middleware and optional analytics layer turn this real-time location data into actionable insights, enabling customers to move beyond tracking to optimization and decision-making.

With support for industry-standard UWB profiles such as omlox air 8 and a clear path toward coexistence with FiRa-based mobile navigation, the kit provides a future-ready RTLS platform designed to evolve alongside emerging location ecosystems.

# The omlox Starter Kit

**Available for pre-order**

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For more information about the omlox Starter Kit, visit [HERE](#).

