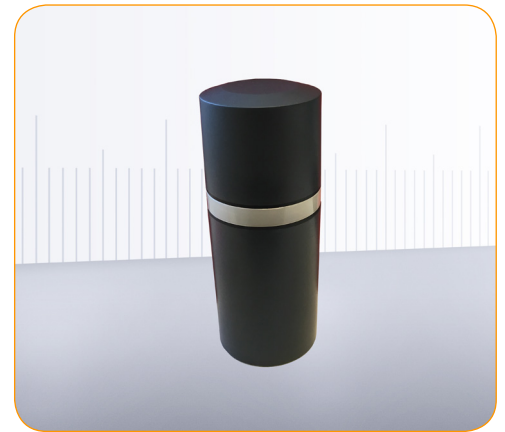


omlox Satellite

Your powerful anchor

co-designed with 
TRUMPF Werkzeugmaschinen GmbH + Co. KG



omlox Satellites are the heart of your real time location system: the fixed reference infrastructure. They interface in several modes with BeSpoon trackers such as **omlox WTags** and **omlox SmartAntennas**, as well as with any hardware and software designed according to the **omlox standard**.

Easy to deploy and to commission, the real-time location network made of **omlox Satellites** offers numerous benefits: large amount of tracked devices, long battery life of tracked devices, high refresh rate, long ranges, best performances in terms of capacity, accuracy, cost-efficiency, ...

Our inch-level tracking technology is available as a full ecosystem with highly adaptive hardware and software features. Equip your sites with highest standard electronic components, and leverage our best-in-class UWB integrated circuit. Our solutions cope with countless indoor or outdoor location use cases, even in areas with adverse conditions like sheet metal workshops, warehouses full of radio reflections and obstructions, etc.

Make your venue smart with **omlox Satellites** and track in real time hundreds of production batches in a factory, of forklifts, tools, and pallets in a warehouse, compute in real time the position of fast moving athletes with unpredictable trajectories, etc.



Multi-Tag Tracking



GPS-like positioning



simultaneous use

Tracking capacity	more than 4000 tracked devices rate: up to 464 tracked devices/sec
Frequency range	3.25 GHz to 4.75 GHz 7.25 GHz to 8.75 GHz on request
Dimensions	h 237 mm ø 92 mm
Precision	down to 10 cm
Range	up to 600 m in LoS
Power	RJ45 PoE (Power over Ethernet) USB external power pack connection
Data connections	Wireless: Wi-Fi, Bluetooth, Wired: Ethernet RJ45 cable
Antenna	Omni-directional
Features	Operating temperature: 50° max. IP 54 Pre-programmed unique ID of 64 bits Barometer Bluetooth: to upgrade settings of tracked devices / firmware around satellites' vicinity Software upgrade with BeSpoon's server available via Ethernet connection and WiFi (OTA) 360° LED indicators
Deliverables (full system solution)	Various softwares for 3D location systems Deployment equipment
Certification (ongoing)	CE Marking FCC