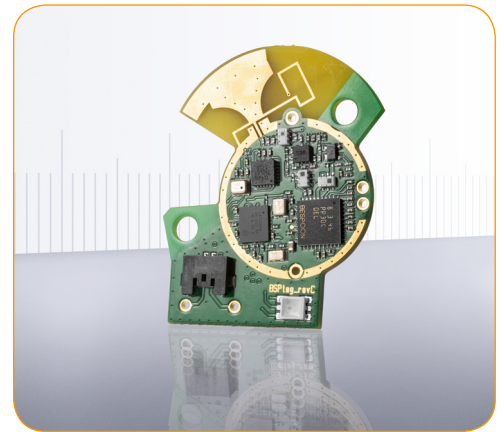


TagPCB

Pocket-sized and long-lasting



BeSpoon **TagPCB** has been designed and tested to be used in industrial environments and integrated inside any type of customizable casings. This circuit board includes all the components of a fully developed device. It is ready to be inserted into your own indoor location tags.

Attached to the items you wish to track within your real time location system, Tags will interface with stationary anchors. Many battery sizes can be built-in, in order to satisfy the specific requirements of your application. Our PCB offers wireless charging and fits into IP67 and ATEX-compliant housings.

Equipped with state-of-the-art electronic, our best-in-class UWB integrated circuit will bring inch-level tracking technology to your facilities. **TagPCB** is able to compute its own position in 3D GPS-like positioning mode.

Our advanced ecosystem with highly adaptive hardware and software features meets the needs of multiple indoor location use cases, even in the most challenging industrial environments. Design your own devices with BeSpoon **TagPCB** and make your venue smart for intralogistics, motion analysis, etc.

Energy-efficient and easy to install, BeSpoon **TagPCB** may be attached to a large amount of goods or persons. It provides high-precision location data at refresh rates varying from once a day up to 16 times a second and is compatible with any solution designed for the **omlox** ecosystem.

Charging mode	Wireless, Qi compatible
Battery type	3.7 V Lithium polymer 200 mAh Li-ion battery (default)
Max. charging current	adjustable to user requirements default: 100 mA
Consumption	<15 μ A in asset tracking mode
Frequency range	3.25 GHz to 4.75 GHz
Dimensions	35 x 27 x 11 mm + data over USB extension 16 mm
Weight	8.5 g with 200 mAh Li-ion battery
Precision	down to 10 cm
Measurements per second	adjustable to specific needs up to 204 in Multi-Tag Tracking mode up to 250 in Two Way Ranging mode
Range	up to 600 m in LoS
Features	LED charging indicator LED activity indicator (adjustable) Operating temperature range: -20° to 55° Pre-programmed Unique ID of 64bits Bluetooth (BLE): to control the tag ON/OFF, to program user setting, to update firmware over the air (OTA) Wake on motion IMU data available on request
Deliverables (full system solution)	Various softwares for 3D localization systems Equipment to help deployment at customer's site