



Solution

Trackgent RTLS solution is based on a 3-component hardware set composed of smart tags, anchors and gateways. It allows positioning of objects with high accuracy, up to 20 cm, in confined spaces. System uses Ultra-Wideband (UWB) radio technology. It is independent from other location and navigation systems e.g. GPS.

Tag

Trackgent tag is an ergonomic identifier allowing to effectively determine the location of its holder - a person, an object or a device. Held by a user, in a form of a personal badge, tag serves as an impulse to be located.



Lithium-ion battery that allows 30 days of continuous operation.



Qi inductive or USB-C charging.



A multi-colored LED indicating battery status.



ABS plastic enclosure with 2 holder options.

trackgent badge tag

Tag in a basic enclosure with a mount to attach a lanyard or attachable to a locatable device.

General features

Location technology	Ultra Wideband UWB, 6.49 GHz Center Frequency Nominal (Channel 5 - 500 MHz BW); IEEE 802.15.4z-2020
Power supply	Rechargeable Li-Ion 3.7 V, 600 mAh
Wired charging	USB-C, 5 V, 150 mA
Wireless charging	Qi 1.2, 150 mA
Dimensions	64,5 x 102,5 x 5,7 mm
Weight	28 g
Degree of protection	IP21
Status signaling	Multicolor LED + vibration
Display	n/a
Compliance	CE

Environmental features

Operating temperature	0-50 C
Storage temperature	-25-70 C
Operating humidity	20 ~ 95% RH (non-condensing)
Storage Humidity	0 ~ 95% RH (non-condensing)