✳ Softgent

track⬤gent
gateway

Trackgent gateway is a core element of the system responsible for two-way communication between tags, anchors and cloud service.

57,0 mm

77,6 mm

General features

Feature	Value
Location technology	Ultra Wideband UWB, 6.49 GHz Center Frequency Nominal (Channel 5 – 500 MHz BW); IEEE 802.15.4z-2020
Power supply	PoE, max. 15W
Dimensions	77,6 x 57,0 x 36,4 mm
Weight	76,8 g
Status signaling	LED
Compliance	CE

Environmental features

Feature	Value
Operating temperature	-20-80 C
Storage temperature	-25-60 C
Operating humidity	20 ~ 95% RH (non-condensing)
Storage Humidity	0 ~ 95% RH (non-condensing)

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.

Gateway

Trackgent gateway is based on the Rock Pi S miniPC, with an in-house designed PoE & UWB hat.

The gateway is powered by Power of Ethernet cable which simultaneously provides internet connection for cloud services. The quality of the cable needs to be verified prior to installation – max 100m length.

The gateway housing is made of mechanically and chemically resistant ABS plastic. It can be adjusted for an outside mount with a special, hermetic case.

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