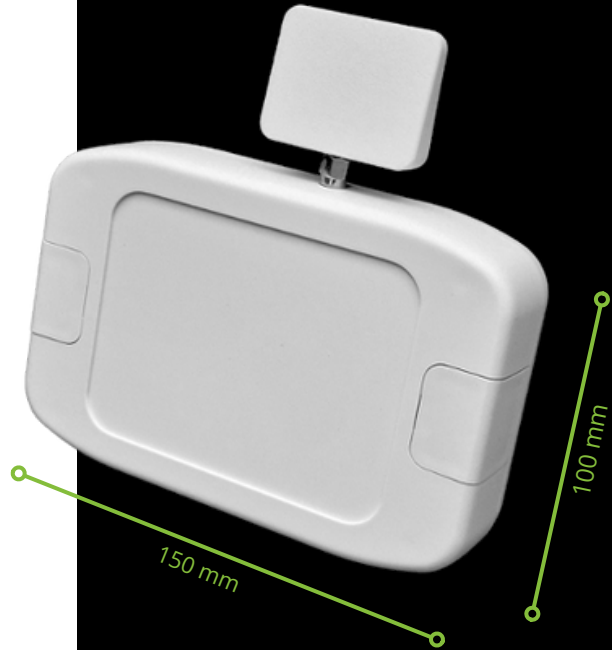


trackgent anchor

An intelligent receiver, mounted in a fixed location, used to calculate position of tags within the monitored area.



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	PoE Type 1, IEEE 802.3af, Cat5e
Dimensions	150 x 100 x 30 mm
Weight	166 g
Power on indicator	Ethernet port
Activity indicator	LED
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)

Solution

Trackgent RTLS solution allows tracking location of objects indoor and outdoor with high accuracy, down to 20cm granularity. The system is comprised of 3 key HW components - Tags, Anchors and a Server. System uses Ultra-Wideband (UWB), an RF technology that is independent from any other location systems e.g GPS.

Anchor

Trackgent anchors acts as reference points with known location. They are used to receive coordinated signals and calculate location of the tags that roam in the monitored area. A minimum of 4 (recommended 5) anchors are required for a 200m2 (2000sqft) area to allow precise position calculations, however, RF conditions in the location determine actual requirements. The anchor's housing is made of mechanically and chemically resistant ABS plastic.