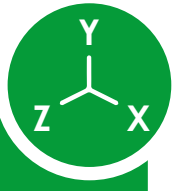


# TAG IMU

## FULL FEATURED MOBILE RTLS LOCATOR



Accelerometer



Gyroscope



Magnetometer



Pressure Sensor



Temperature Sensor

The Tag is an active mobile locator. Its position and ID is reported within configurable refresh rate. The Tracked objects need to be equipped with this device.

The Tag IMU is powered by rechargeable Li-Ion battery and wirelessly configurable through the RTLS Studio web interface. The Tag IMU provides besides positioning data and 3D orientation; raw sensor output from inertial sensors, pressure, and temperature sensors. Data are provided in real-time through open API.

The Tag IMU is equipped with DecaWave UWB radio with an integrated omnidirectional antenna. It provides a movement detection feature which is prolonging battery lifetime.



UWB Location



Movement Detection



3D Spatial Orientation

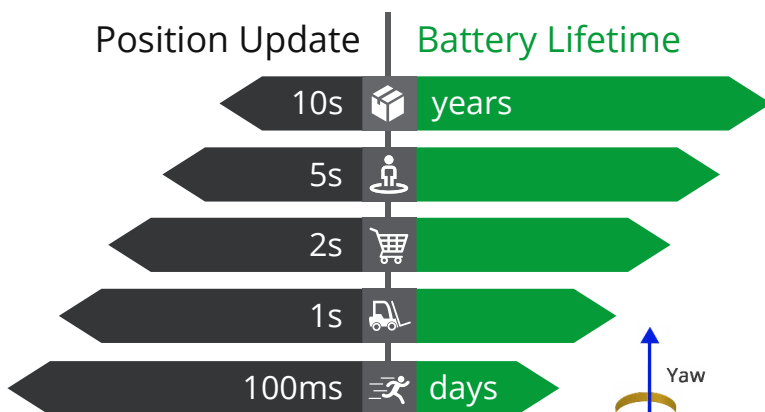
Resources based on FPA  
(Framework Partnership Agreement)



Firmware Source Code



Schematics



Dimensions	70x50x21 mm
Weight	25 g
Refresh Rate	10ms - 60s
Battery Lifetime*	10s - 5 years 1s - 1 year 500ms - 248 days 100ms - 53 days
Nominal Battery	560mAh
Charge Time via USB	Approx. 6h
Charge Current	100mAh
Range**	15 - 50m

\*can be significantly prolonged with the movement detection feature  
\*\*depends on RF Profile settings and radio environment