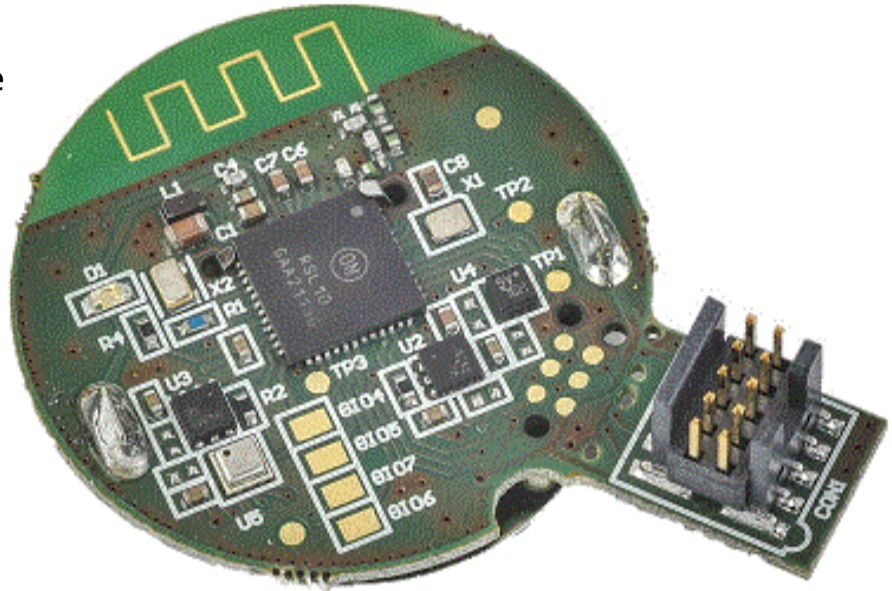


SECO-RSL10-TAG-GEVB: RSL10 Asset Tag

The RSL10 Asset Tag is an advanced multi-sensor node designed for a variety of industry 4.0 asset tracking and monitoring applications including warehouse, retail management, hospital equipment management and logistic chain monitoring.



Combining environmental sensors and 3 axis

accelerometer and support for Bluetooth® Low Energy connectivity or real time location services (RTLS), the tag can be used to provide valuable data and insights into an asset's state of being and location. The RSL10 Asset Tag offers an industry-leading extended battery life of ~five years with no compromise on duty cycle, a significant improvement compared to similar devices. This is made possible by the ultra-low-power consumption of the [RSL10](#) radio System-on-Chip (SoC), advanced gate switching [FPF1005](#), low power environmental sensors, and optimized firmware.

The RSL10 Asset Tag is supported by a customized CMSIS package with a variety of asset management use-cases and modes of operation including data-logging, continuous sensing and event-trigger.

Features and Applications

Features

- Multi-Sensor Bluetooth LE Ultra Low power sensor node
 - Periodic advertising
 - Triggered mode (Acceleration threshold)
- Real Time Locating Services (RTLS) provided by the [Quuppa Intelligent Locating System™](#)
- Unprecedented low power consumption for 5 year battery life
- Environmental sensing technology (temperature, pressure, accelerators)
- Small form Factor (27mm diameter)
- Advanced Sensor Management
 - Ultra low leakage gate switches
 - Ultra low power 17µJ active





- Supported by the RSL10 Sensor Beacon mobile app (GooglePlay™)

Applications

- Real-time Localization System
- Hospital Asset Tracking
- Worker Safety
- Warehouse Management
- Social Distancing and Personal Safety
- Industry 4.0 Asset Monitoring and Tracking
- Retail Asset Management
- In-Building Climate Control
- Food Chain Monitoring
- Cold Chain Monitoring
- Green House Management
- Edge Predictive Maintenance

Evaluation/Development Tool Information

Product	Status	Compliance	Short Description	Parts Used	Action
SECO-RSL10-TAG-GEVB	Active	Pb-free	RSL10 Asset Tag	FPF1005 , NCH-RSL10-101Q48-ABG	Buy

Technical Documents

Type	Document Title	Document ID/Size	Rev
User's Manual	Custom Advertising Data Types Used in IoT Applications with Bluetooth® Low Energy Wireless Technology	UM70019/D - 1402 KB	1
Software	RSL10 Quuppa AoA RTLS Tag CMSIS Pack V.0.7.1	RSL10 Quuppa AoA RTLS Tag CMSIS Pack - 6505 KB	7
Eval Board: BOM	SECO-RSL10-TAG-GEVB Bill of Materials (ROHS Compliant)	SECO-RSL10-TAG-GEVB_BOM_ROHS - 682 KB	1
Eval Board: Gerber	SECO-RSL10-TAG-GEVB Gerber Layout Files (Zip Format)	SECO-RSL10-TAG-GEVB_GERBER - 1303 KB	1
Eval Board: Schematic	SECO-RSL10-TAG-GEVB Schematic	SECO-RSL10-TAG-GEVB_SCHEMATIC - 384 KB	1
Video	How IoT Asset Management Technologies are Transforming Manufacturing	WVD17803/D	
Software	SECO-RSL10-TAG-GEVB RF	SECO-RSL10-TAG-	

