

### Features

- The Tracking and Sensor Tag variants support a wide range of tracking and condition monitoring applications.
- Configurable sensor parameters.
- Seamless interface to RedLore IoT platform: Supply Chain Engine, IoT Engine, Positioning Engine (RTLS), RedBoard™ Dashboards
- Connects automatically to a RedLore Smart Shipment Tracker or any RedLore stationary gateway.
- Supports low-power mesh network protocol (Wirepas).
- Over-the-Air reconfigurable and reprogrammable.
- Supports Indoor Positioning and Proximity-detection.

### Applications

#### Transport & Supply Chains

- Cold Storage Monitoring
- In-Transit Condition Monitoring of Pallets and Boxes
- Cold Chain Monitoring
- Container & IBC Tracking
- Asset Monitoring & Tracking

#### Infrastructure

- Integrity Monitoring







#### Warehousing

- Asset Monitoring & Tracking
- Consignment Stocking
- Rack Impact Detection
- Forklift Monitoring & Tracking
- Pick Notification

#### Manufacturing

- Machine Monitoring
- Predictive Maintenance
- Spare Parts Management
- Environmental Monitoring

## Product Variants

Variants	 A temp + accel	 B Accel	 C Track	 D Button	 E button + buzzer + LED	 F Accel + IP68
<b>Tracking</b>						
In transit positioning	✓ with RedLore Smart Shipment Tracker					
Indoor positioning	✓ with RedLore Positioning Engine					
<b>Sensors/Actuators</b>						
Temperature	✓			✓		
Humidity				✓		
Shock (fall and lateral impact)	✓	✓	✓	✓		✓
Vibration	✓	✓	✓	✓		✓
Tilt	✓	✓	✓	✓		✓
Button				✓	✓	
Buzzer					✓	
LED					✓	✓
NFC						optional
<b>Mechanical</b>						
Dimensions [mm]	49 x 66 x 17.5	Φ39 x 16	37 x 24 x 5	Φ24 x 4.5	40 x 40 x 13.5	Φ64 x 11 *
Ingress Protection	IP67	IP67	IP40	IP40	IP40	IP68
<b>Power</b>						
Battery capacity [mAh]	1000	1000	225	225	620	225
Replaceable	✓	✓	✓	✓	✓	-

\*Type F also available without the wall-mount brackets, as a round device with self-adhesive back.

## Operating parameters and tolerances

<b>General</b>	(all variants)	
Operating temperature	-20°C...+55°C	
Data update rate	10 seconds to 10 days	
Configuration	Remotely	
<b>Temperature</b>	(variants A and D)	
Operating temperature	-20°C...+55°C	
Accuracy	<u>variant A</u>	<u>variant D</u>
	±0.5°C (+10...+55°)	±0.4°C (0...+55°C)
	±2°C (-20...+10°C)	±0.7°C (-20...0°C)
<b>Humidity</b>	(variant D)	
Operating range	0...100%RH	
Accuracy tolerance	±2%RH typical, ±4.5%RH max (@25°C, between 10%...90%RH)	
<b>Vibration</b>	(all variants)	
Frequency	Low, medium and high frequency vibrations	
<b>Shock</b>	(all variants)	
Type	Shock from fall, shock from lateral impact	
<b>Tilt</b>	(all variants)	
Orientation	Along X, Y, Z axis	

**Certifications**

FCC

(all variants)

Contains FCC ID 2AA9B10. In conformance with Federal Communications Commission (FCC) CFR47 Telecommunications, Part 15 Subpart C "Intentional Radiators"

IC (ISED)

Contains IC (ISED) 12208A-10. In conformance with Industry Canada (IC) Radio Standards Specification (RSS) RSS-210 and RSSGen

CE

In conformance with Radio Equipment Directive 2014/53/EU:

- EN 60950-1: A2: 2013 3.1 (a): Health and Safety of the User
- ETSI EN 300 328 V 2.1.1 3.2: Effective use of spectrum allocated
- ETSI EN 301 489-1 V2.1.1 & 3.1 (b): Electromagnetic Compatibility
- ETSI EN 301 489-17 V3.1.1

ROHS compliant

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