



S-track Sense

S-track Sense is a Bluetooth tag designed to record temperature, humidity and impact data. It uses BLE to transfer the information via beacon or mesh technology to the nearest gateway. A long battery life time and ruggedized enclosure (IP65) makes it suitable for cold chain monitoring. Easy programming and activation is enabled by NFC technology.



Features

- Bluetooth Low energy
- Long battery life
- Slimmed size
- V4.2, compliant BLE5
- Temperature
- Humidity
- Accelerometer
- NFC-A
- Mesh capabilities*

Markets

- Cold chain monitoring
- Asset monitoring

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|------------------------------|---|---|
| Description | Part Name Market | S-track Sense Sensor tag |
| Communication | Bluetooth NFC Antenna | BLE v4.2, compliant v5 Internal |
| Frequency bands | Bluetooth NFC | 2.4 GHz 13.56 MHz |
| Electrical properties | Current Consumption Battery Processor Memory/Flash Battery Life | 35uA beaconing every sec CR2450 ARM Cortex M4 256kB / 8Mb >1 year (at 25°C, 5min reporting cycle) |
| Interface/Connectors | NFC | A |
| Sensors accuracy | Temperature Humidity Accelerometer | -40°C to +85°C (+/-0.3°C) 0 - 100% Rh (+/-2% Rh) +/-2g (+/-2mg/LSB) |
| Mechanical properties | Enclosure Outer dimensions Weight Operating temperature LED's | IP65 33.0mm x 64.5mm x 9.5mm 17g (without battery) -40°C to +85°C Alarm |
| Software properties | Firmware protocols | Smart Basic |

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