



## 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

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