### Features

- **ST25DV64K** dynamic NFC tag solution based on 64K-bit (8K-Byte) EEPROM and with I²C interface, Fast Transfer Mode and Energy Harvesting features
- **STM32L031K6** ultra-low-power ARM Cortex-M0+ MCU running at 32 MHz with 32-Kbytes Flash and 8-Kbytes RAM
- **LIS2DW12** ultra-low-power high-performance three-axis linear accelerometer
- **LPS22HB** ultra-compact piezo-resistive absolute pressure sensor which functions as a digital output barometer: 260-1260 hPa
- **HTS221** capacitive digital sensor for relative humidity and temperature
- **STLQ015** low drop linear regulator power management
- **CR2032** Battery powered (not included)
- **STM32Cube function pack (FP-SNS-SMARTAG1)**
- Android (Google Play) and iOS demo apps (ST SmarTag)
- Suitable for the following applications:
  - Internet of Things
  - Supply Chain and Cold-Chain Management
  - Smart building, home and city
  - Retail and apparel
  - Smart packaging
  - Medical and pharmaceutical
  - Batteryless sensing
  - Smart agriculture (soil control, animal tracking, etc.)

### Description

This smart and flexible NFC Tracker evaluation board with sensors includes a comprehensive software library and a sample application to monitor and log sensor data over NFC from an Android or iOS device.

The ultra-low power sensor node evaluation board mounts an ST25DV NFC Tag, an STM32L0 ARM Cortex M0+, environment sensors (temperature, humidity and pressure) and motion (accelerometer) sensor.

The evaluation board features NFC harvesting to supply power and a battery cradle for a CR2032 battery.
1 Schematic diagrams, bill of materials and other resources

For schematic diagrams, bill of materials and other resources, please visit the STEVAL-SMARTAG1 page on www.st.com

1.1 Application development

For further resources to help you build your application, you can try the Connectivity application page on www.st.com
Revision history

<table>
<thead>
<tr>
<th>Date</th>
<th>Version</th>
<th>Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>19-Feb-2018</td>
<td>1</td>
<td>Initial release.</td>
</tr>
<tr>
<td>07-Mar-2018</td>
<td>2</td>
<td>Updated Features.</td>
</tr>
<tr>
<td>22-Jun-2018</td>
<td>3</td>
<td>Updated cover image.</td>
</tr>
</tbody>
</table>