UWB TAG DEVELOPMENT KIT

The UWB TAG Development kit is composed of 3 programmable T-TAG platforms that can be configured for various UWB applications, for example interacting with smart phone and UWB anchors, finding and tracking assets functionalities, point to point triggering etc.

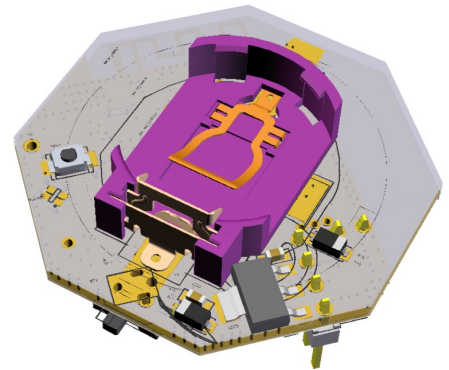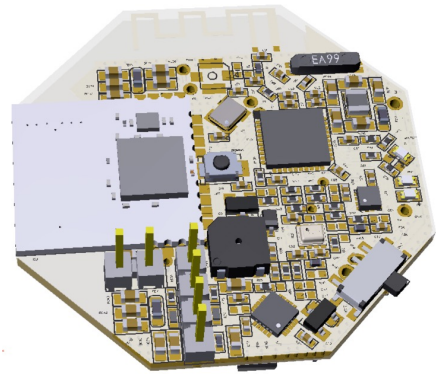The T-TAG platforms can be used together with the Vulkano Evaluation Kit for RTLS application.

FEATURES:
HW

3 x T-TAG Programmable containing:

- ✓ Bluetooth Low-Energy MCU QN9090
- ✓ DCU040 UWB Module
- ✓ On-board PCB antenna for BLE;
- ✓ LEDx3, Red/Green/Blue colors;
- ✓ CR2032 battery connector;
- ✓ Toggle switch for battery power on/off;
- ✓ Acceleration sensor IC
- ✓ Digital pressure sensor;
- ✓ Plug & Trust Secure Element;
- ✓ Reset Button for QN9090 (optional)
- ✓ Buzzer;
- ✓ 4pins header for UART and external 5V power input for TAG;

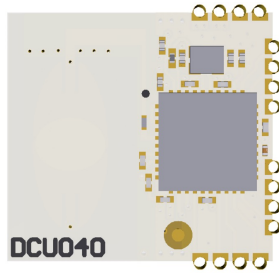*All datasheet and details are on the web site.*

SW

TrueSense Software Development Kit includes:

- ✓ Firmware implementing a very simple, yet complete, API based on AT commands exposed over UART port, thus allowing for super easy integration with legacy devices.

- ✓ Usage examples of AT commands are provided to demonstrate a wide range of use cases.

- ✓ Source code of both iOS and Android UWB enabled apps to interact with the Kit from a mobile phone.

Please take note of the serial number (S/N) of this UWB Kit and register at ultrawideband.truesense.it/support/ to get access to the latest documentation, firmware and source code.

TrueSense has unique line of UWB modules:

DCU040 module based on NXP's Trimension ™SR040 with 1 pcb embedded antennas, it is a 1D Device, support 2-WAY RANGING (ToF), with Pre-programmed FW, and security with IEEE802.15.4x STS extension.

DCU150 module based on NXP's Trimension ™ SR150 with 3 pcb embedded antennas, it is a 2D/3D RTLS devices, support ToF, TDoA, AoA, with custom FW, and security with IEEE802.15.4x STS extension & Secure Element.

We are a proud member of the FiRa UWB association.

The use of TrueSense UWB Development kit is not intended for production but solely for evaluation, educational and development purposes. Any use of it beyond these purposes is on your own risk.

Therefore - to the maximum extent permitted by applicable law, Truesense Srl and/or its partner distributor Arrow Electronics entity will not be liable to you or to any third party with regard to damages (including, without limitation, indirect, direct, incidental or consequential damages) whether arising in tort, contract or any other legal theory.

Furthermore the selling TrueSense and Arrow Electronics entities explicitly does not warrant, guarantee or provide any remedies to you with regard to the ordered UWB Development Kit.

The disclaimer of liability and warranty constitutes an essential part of the contractual relationship and is the base for selling these products to you.