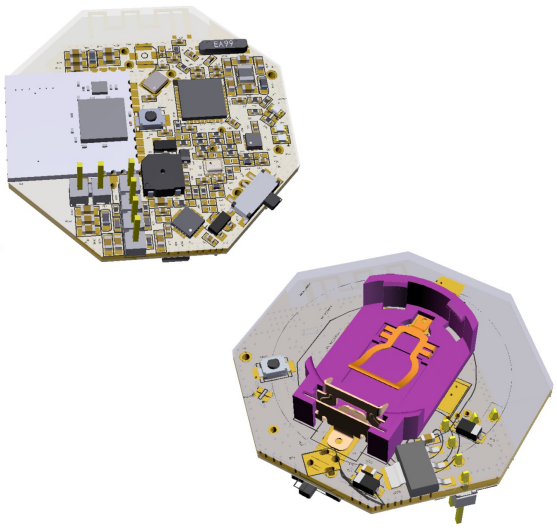
UWB T-TAG



The T-TAG is programmable platform that can be configured for various UWB applications interacting with with smart phone & UWB anchors.

The default firmware enables Nearby Interaction with both iOS and Android smart phones.

You can start interacting immediately via NXP Trimension App (Apple Store) or you can download Truesense reference source code for iOS and Android available on our website.

APPLICATIONS:

Ideal Tag to demonstrate Smart Home (Point & Trigger), Access Control (Smart lock), Consumer & Industrial (Assets Finders & Trackers) applications.

FEATURES:

- UWB DCU040, module;
- Bluetooth LE MCU On-board PCB antenna;
- Accelerometer;
- Pressure sensor (Optional);
- Plug & Trust Secure Element (Optional);
- Coin Battery connector;
- Buzzer, Button and Led.

TECHNICAL SPECIFICATION

MCU & BLUETOOTH LE	QN9090 with On-board Bluetooth LE PCB antenna
UWB MODULE	DCU040 Module
SECURE ELEMENT	SE051W, Plug & Trust Secure Element
DIGITAL PRESSURE SENSOR	Goertek SPL006-01
ACCELERATOR SENSOR	Silan SC7A20, ±2g, ±4g, ±8g, ±16g 3-axis
SWITCH	A toggle switch for battery power on/off
BUTTON	A Reset Button (optional) for QN9090
LEDS	3xLEDs, Red/Green/Blue color
BUZZER	Buzzer (80dBm)
POWER	CR2032 coin battery to power it with 3.3V or external 5V power supply from the USB to UART daughterboard
HEADER	4xpin header for UART & external 5V power input