

UWB DEVELOPMENT KIT

The UWB Dev Kit V.Mobile is designed to connect either UWB modules in an anchor/tag configuration or a UWB enabled Mobile Phone with UWB modules. The Kit allows to demonstrate the positioning in locating modules operating in **TWR** (Two-Way-Ranging) mode. Additionally It can also help to build and evaluate Real Time Location Systems (**RTLS**) using **TDoA** (Time-Difference-of-Arrival) mode.

The Kit is Ideal to demonstrate RTLS, Industrial, Smart Home & Consumer applications and for Smart Home Devices (Point & Trigger) & Access Control (Physical and Logical).

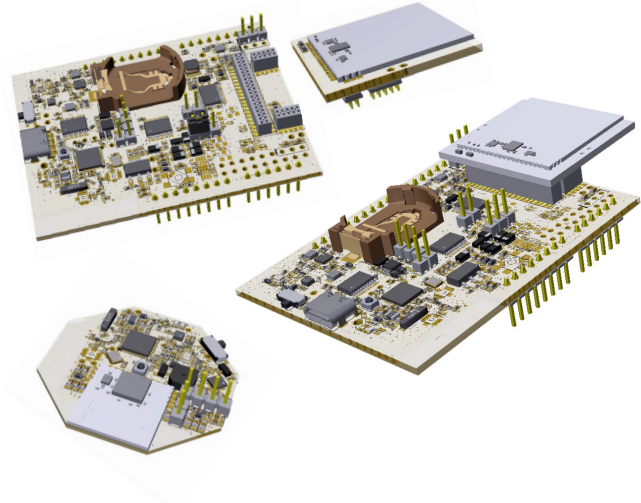
Perfect for the IoT products' development.

FEATURES:

HW

- ✓ Vulkano Ev Kit including: 1 x DCU 150 & 1 x DCU 040 Adapter pluggable Boards;
- ✓ T-TAG: Programmable 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.