

Sunway SW-EVK-2 UWB Evaluation Kit

Sunway UWB EVK-2 is delivered in a convenient and protective box.

EVK-2 connects two UWB modules in an anchor/tag configuration to allow you to demonstrate the positioning in locating modules operating in TWR (Two-Way-Ranging) / PDoA (Phase-Difference-of-Arrival) mode.

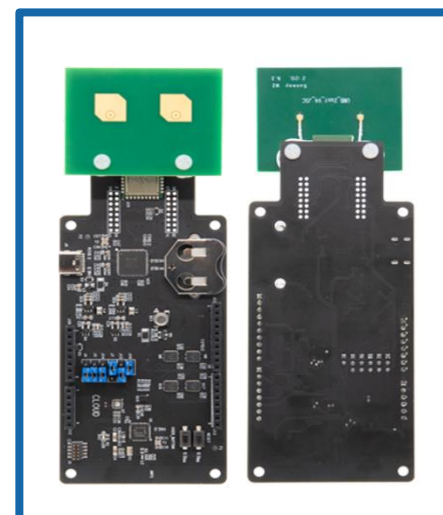
It can also help you to build and evaluate Real Time Location Systems (RTLS) using TDoA (Time-Difference-of-Arrival) mode.

For developing applications like RTLS, trackers, IoT, Smart Home, etc.



Features

- **2 UWB development boards**
 - 1 is pre-configured as tag board
 - 1 is pre-configured as anchor board
- **Each board features**
 - 1 SW-M1000-SR-150 UWB module
 - 1 SW-SU001 dual patch antenna (with coax cables)
 - Host MCU QN9090
 - Host interface: USB, BLE, UART, SPI
- **Software**
 - UWB Software Development Kit
 - UWB Demo application for PC/MAC
 - Firmware for interaction with iPhone



SW-EVK-2

Sunway is a proud member of the UWB association FiRa.



Sunway Modules are Based on NXP's Trimention™ SR040 and SR150

- Sunway UWB modules integrate clock circuit, RF circuit and power management that conform to the IEEE 802.15.4z HRP UWB standard
- PHY and MAC conform to the FiRa Consortium specification
- Integrated Time-of-Flight (ToF), Time-Difference of Arrival (TDoA), Angle-of-Arrival (AoA)
- High Precision RTLS, Real-Time Location System (TDOA and AoA)

