

DWM1004-ES Kit Quick Start Guide

Version 1.0

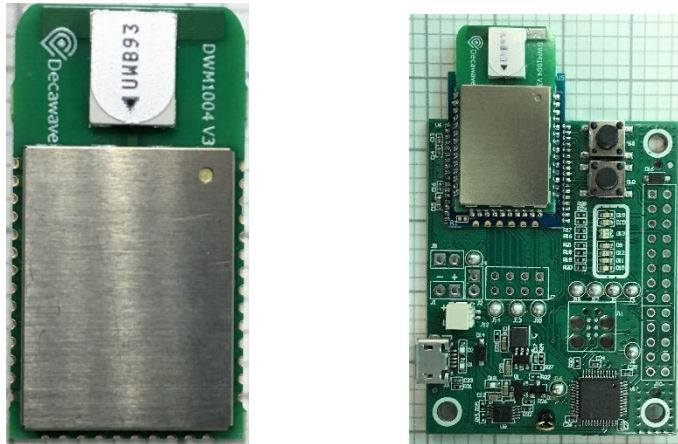
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1 INTRODUCTION

The DWM1004-ES kit contains the following items:

- 1x DWM1004 module
- 1x DWM1004 module mounted on a DWM1001-DEV via a translation board



The DWM1004 module is based on Decawave's DW1000 Ultra Wideband (UWB) transceiver IC, which is an IEEE 802.15.4-2011 UWB implementation. It integrates UWB antenna, all RF circuitry, a STM32L041G6U6S Cortex-M0+ and a LIS3DH motion sensor.

The DWM1004 mounted on the DWM1001-DEV provides embedded software developers an easy way to start working on their TDoA tag software task. The DWM1001-DEV supports a J-Link OB.

The supporting release package can be downloaded from:

<https://www.decawave.com/product/dwm1004-module>

This download package includes the following items:

Software:

TDoA Tag source code

Documentation:

DWM1004 Product Brief
DWM1004 Datasheet
DWM1004C TDoA Tag Quick Start and Software Guide
Schematics for DWM1004, DWM1001-DEV and translation board

2 WARNING

This kit is LABORATORY EVALUATION EQUIPMENT, only for operation by competent personnel in a Lab environment. It should be noted that the DWM1004 module is not a certified or calibrated product.

3 REVISION HISTORY

Revision	Date	Description	Revised By
1.0	10-Jul-2019	First release	KD

4 FURTHER INFORMATION

Decawave develops semiconductors solutions, software, modules, reference designs - that enable real-time, ultra-accurate, ultra-reliable local area micro-location services. Decawave's technology enables an entirely new class of easy to implement, highly secure, intelligent location functionality and services for IoT and smart consumer products and applications.

For further information on this or any other Decawave product, please refer to our website www.decawave.com.