seeed studio

INDUSTRIAL PRODUCT DATASHEET

Crazyflie 2.0 DWM1000 Loco Positioning Deck for Indoor Positioning System

[image] The Crazyflie 2.0 DWM1000 Loco Positioning Deck is a Tag in a Loco Positioning system and measures the distances to Anchors.

SKU	UPDATED	PRICE
114990655	2026-11-11 07:14:33	$90.00(Excl. VAT)



Overview



[image] The Crazyflie 2.0 DWM1000 Loco Positioning Deck is a Tag in a Loco Positioning system and measures the distances to Anchors. The distances are used to estimate the absolute position of the Crazyflie 2.X in the room, which can be used for autonomous flight. The position is calculated on-board the Crazyflie and there is no need for an external computer for position estimation.

Key Features

01 **Ultra-wideband communication**

Built with the off-the-shelf DWM1000 UWB radio and based on IEEE802.15.4a UWB PHY standard.

02 **High precision ranging**

Measures distances to Loco Positioning Node Anchors with accuracy within a 10 cm range

03 **Multichannel operation**

500MHz bandwidth with 5 channels from 3 to 7GHz for high-speed and reliable data transfer.

04 **Dual modes switch**

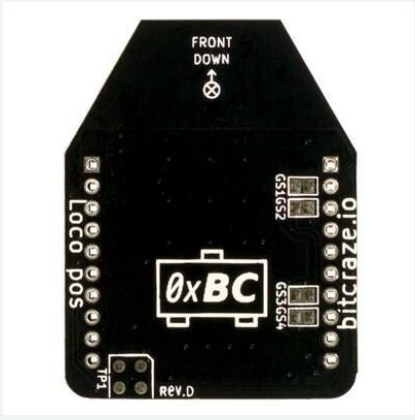
Two-way ranging (TWR) mode and arrival time difference (TDoA) mode

05 **Radio that can range**

potential to be used as a base for a Local Positioning System

Product Gallery





Applications

- **Indoor positioning and navigation**
- **teaching study**
- **High-density cluster application**
- **machine learning**
- **trajectory planning**

Resource Links

- https://www.seeedstudio.com/Crazyflie-2-0-DWM1000-Deck-p-2938.html
- Loco positioning system
- Start here
- Datasheet
- Schematics
- Expansion decks of the Crazyflie 2.X

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