seeed studio

INDUSTRIAL PRODUCT DATASHEET

Crazyflie 2.x DWM1000 Loco Positioning Node for Indoor Positioning System,anultra-wide-band radio module

[image] The Loco Positioning node is a multi-functional node in a Loco Positioning system, it can act either as an Anchor or Tag.

SKU	UPDATED	PRICE
114990656	2026-11-11 07:14:38	$170.00(Excl. VAT)



Overview



[image] The Loco Positioning node is a multi-functional node in a Loco Positioning system, it can act either as an Anchor or Tag. Most commonly it is used as an Anchor, being part of the reference base for the system. Alternatively is can also run in Tag mode when it can be attached to an object to track, for instance a robot.

Key Features

01 **Powerful chip support**

Based on STM32F072 Cortex-M0 MCU can enable fast and accurate data processing and control

02 **Ultra-wideband communication**

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

03 **High precision ranging**

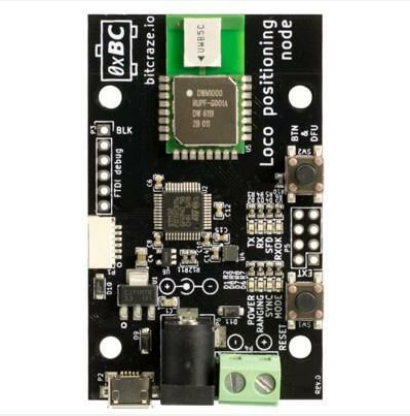
Measures distances to Loco Positioning Node Anchors with accuracy within a 10 cm range

04 **Supports Anchor, Tag or Sniffer mode**

Can be used as a standalone system with some Nodes acting as Anchors and one or more nodes acting as Tags

05 **Upgradable and configurable via USB**

Product Gallery



Applications

- teaching study
- High-density cluster application
- trajectory planning
- Indoor positioning and navigation
- Ranging system

Resource Links

- https://www.seeedstudio.com/DWM1000-Node-p-2939.html
- Loco positioning system
- Start here
- Buyers guide
- Datasheet
- Schematics (rev. D)
- Schematics (rev. E)

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