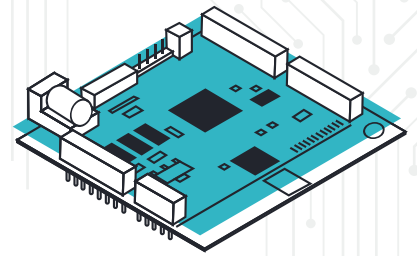


# pozyx®

## DEVELOPER TAG



The Pozyx Developer Tag is an **indoor positioning tag** that provides **accurate positioning** and **real-time motion information** based on ultra-wideband technology.



### Properties

#### Hardware Interfaces

- I2C Arduino-Shield Compatible
- Micro-USB for any PC, Raspberry Pi, ...

#### Software Interfaces

- C Library for Low-level (I2C) control through an extensive set of programmable registers
- Python Library for USB communication
- MQTT protocol for real-time positioning data stream

#### Full of sensors

- Ultra-wideband transceiver
- 9-axis inertial measurement unit
- Pressure sensor

#### Compatible with

- Creator Series
- Industrial Series
- Professional Series

### Usable to

GET STARTED WITH UWB TECHNOLOGY

PROTOTYPE QUICKLY

ADD POSITIONING TO ROBOTS & DRONES

CREATE POSITION-BASED INTERACTIVE EXPERIENCES

### On board interfaces



I2C BUS

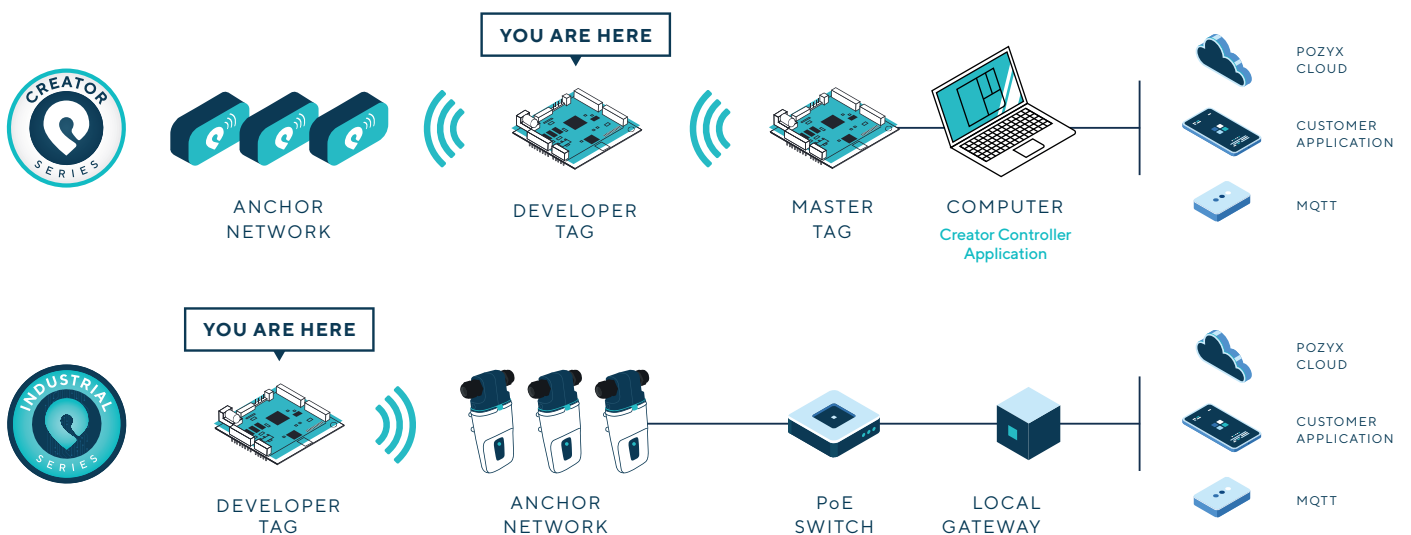
Optional Arduino connection



MICRO USB

Power  
Firmware update  
Computer/Raspberry Pi connection

### pozyx® Eco-System



# Examples of Applications




RAPID PROTOTYPING  
POSITIONING RESEARCH

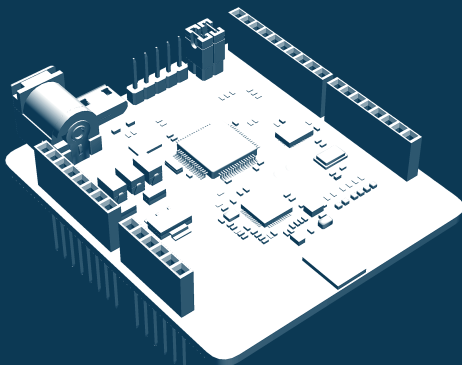


DRONES & ROBOTS  
ARTISTIC PERFORMANCES

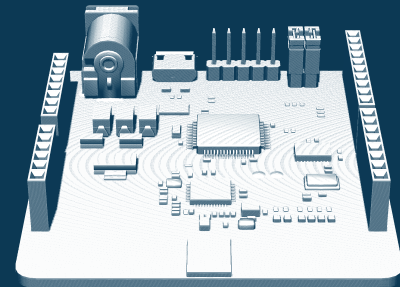
ONLINE DOCUMENTATION  
[tags.pozyx.io](https://tags.pozyx.io)

## Features

- 10cm accurate** indoor positioning
- Onboard sensor fusion** for accurate 9DOF motion information
- I2C** and **Micro USB** communication interface
- Pin-compatible** with **Arduino Uno**
- 4 user-configurable** GPIO pins
- Remote** wireless configuration
- Firmware **upgradable** over usb
- Open Source** libraries available on **Github** 



## Specifications



<b>Dimensions</b>	6 cm x 5,3 cm
<b>Weight</b>	12 g
<b>Frequency Range</b>	3.5 - 6.5 GHz
<b>Bitrate</b>	Up to 6.8 Mbps
<b>Sensors</b>	<b>Motion sensor</b> <ul style="list-style-type: none"><li>• 3-axis accelerometer</li><li>• 3-axis gyroscope</li><li>• 3-axis compass</li></ul> <b>Pressure sensor</b>
<b>Input Voltage</b>	4.5V to 12V (DC jack) 5.0V (USB Powered)

## Contact

GENERAL INQUIRY  
[info@pozyx.io](mailto:info@pozyx.io)

SALES DEPARTMENT  
[sales@pozyx.io](mailto:sales@pozyx.io)

TECHNICAL SUPPORT  
[support@pozyx.io](mailto:support@pozyx.io)

Designed & Made in **Belgium**  
by **Passionate Engineers**



**Accurate positioning.**

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9000 GENT - BELGIUM



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