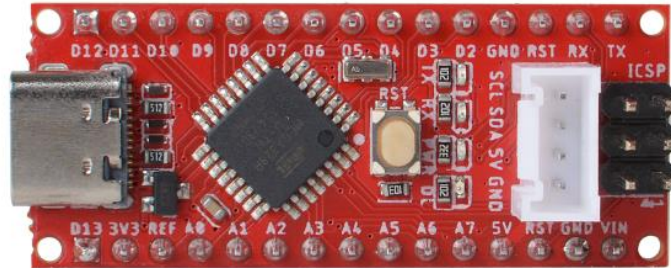# Seeeduino Nano – 102010268

The Seeeduino Nano is a compact board similar to the Seeeduino V4.2/Arduino UNO, and it is fully compatible with Arduino Nano on pinout and sizes.

PRODUCT DETAILS

The Seeeduino Nano is a compact board similar to the Seeeduino V4.2/Arduino UNO, and it is fully compatible with Arduino Nano on pinout and sizes. Compare to Arduino Nano, Seeeduino Nano use Type-C instead of Mini-USB, which is symmetrical and reversible.

Seeeduino Nano VS. Seeeduino V4.2
The same as Seedunio V4.2, Seeeduino Nano is built around Atmega328P -- 8-bit AVR microcontroller. So you can use the same program code on both boards. However, the dimensions of the two are significantly different. Less than a quarter of the size, but with almost the same features, Seeeduino Nano will save more space for your project, more suitable for space-constrained scenes.

Seeeduino Nano VS. Arduino Nano
First, the most intuitive difference is the price. The Seeeduino Nano offers the same features and high-quality experience as the Arduino Nano in less than half the price. On the other hand, the Seeeduino Nano has also made the following improvements compared to the Arduino Nano. 1-

Change the Mini-USB into Type-C, which is symmetrical and reversible. 2- Add one Grove I2C connector, with the help Grove system, you can play with hundreds of sensors and actuators simply by plugging. We've listed the main differences between these products as follows:

Model	Processor	Input Voltage	IO Voltage	Analog In/Out	Digital IO/PWM	USB	Grove Connector
Seeeduino V4.2	ATmega328P	5V / 7-12V	3.3V/5V	6/0	14/6	micro-USB	2xI2C+1xUART
Seeeduino Nano	ATmega328P	5V / 7-12V	5V	8/0	14/6	Type C	1xI2C
Arduino Nano	ATmega328P	5V / 7-12V	5V	8/0	14/6	Mini-USB	

Seeeduino Nano Add-on

One more thing, we know that only one on-board Grove connector may not be enough, so we made this Grove shield for Arduino Nano, which has 3 Grove digital connectors, 3 Grove analog connectors, 1 Grove I2C connector, and 1 Grove UART connector. For most projects, these Grove interfaces are more than enough, but if you still need to connect more grove modules, you can also use our Grove - I2C Hub.

Note

This product does not contain this shield, if you need it, please click on Grove shield for Arduino Nano to view.

Features

- 43mm*18mm Tiny board
- 16M ATmega328P
- Fully compatible with Arduino Nano
- USB Type C for Programming and power
- On-board Grove I2C connector
- Breadboard-friendly

  Check our blog *20 Best Arduino Nano Projects that you must try* to get project ideas and get started with your Nano boards now!