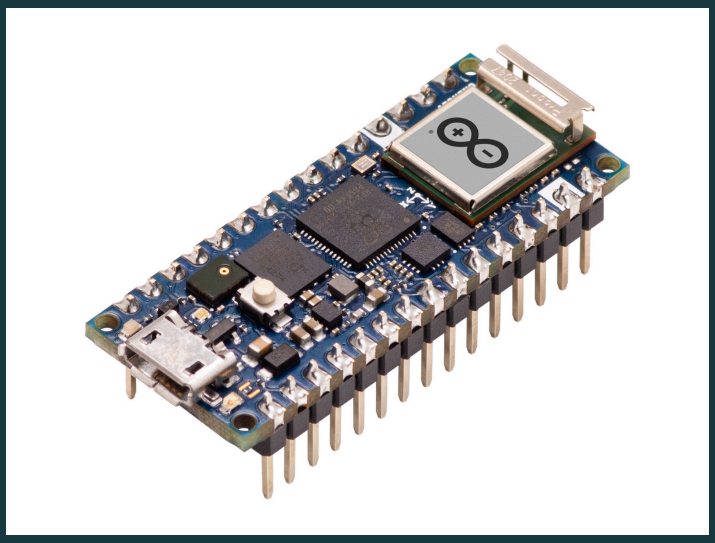
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INDUSTRIAL PRODUCT DATASHEET

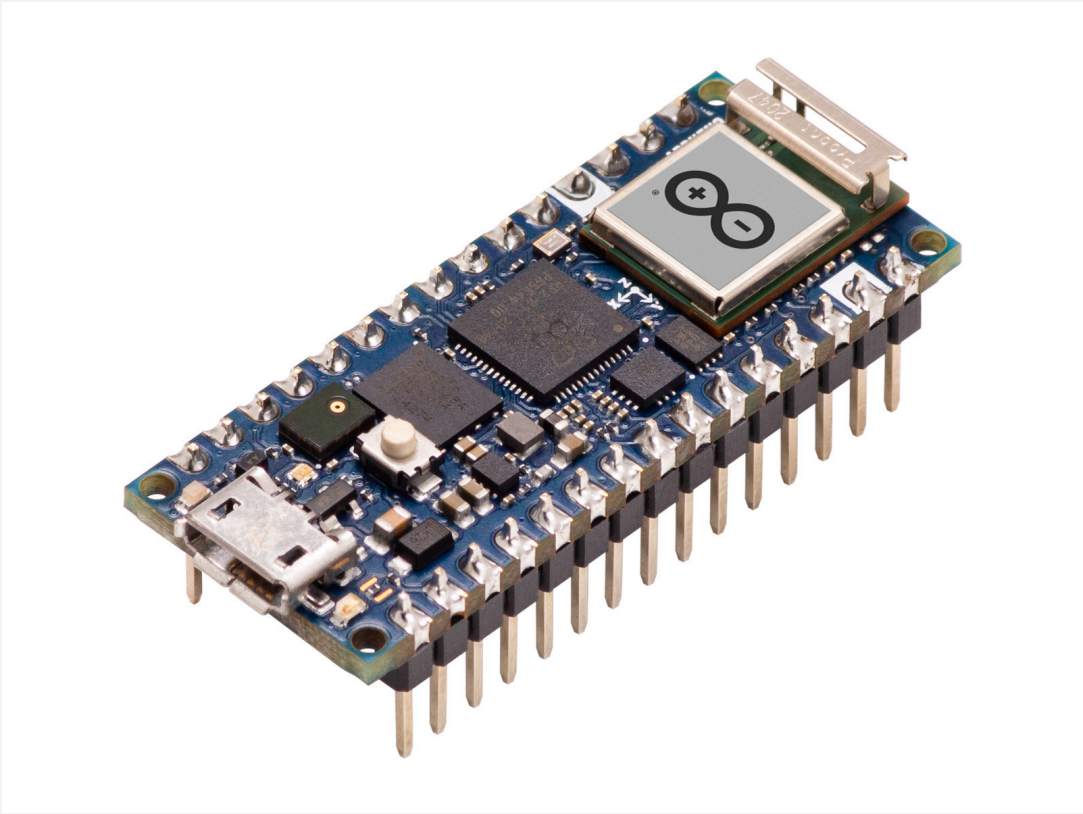
Arduino Nano RP2040 Connect with Headers - U-blox Wifi/6-axis IMU

The Arduino Nano RP2040 Connect is the feature-packed Arduino Nano board built with Raspberry Pi's new silicon.It supports WiFi connectivity thanks to the U-blox® Nina W102 module.

SKU	UPDATED	PRICE
102991557	2026-11-11 08:40:47	$38.00(Excl. VAT)



Overview



The Arduino Nano RP2040 Connect is the feature-packed Arduino Nano board built with Raspberry Pi's new silicon.It supports WiFi connectivity thanks to the U-blox® Nina W102 module.

Key Features

01 **Raspberry Pi RP2040 Microcontroller**

The all-new low-cost Raspberry Pi silicon is the first microcontroller developed by the Raspberry Pi Foundation.

02 **Dual-Core 32-bit Arm® Cortex®-M0+**

Get started with machine learning with TinyML, TensorFlow Lite or Edge Impulse thanks to the high-performance energy-efficient microprocessor clocked at 133 MHz.

03 **U-blox® Nina W102**

The first and only RP2040 board with native Bluetooth and WiFi connectivity.

04 **ST LSM6DSOX 6-axis IMU**

Combined accelerometer and gyroscope with a dedicated machine learning core.

05 **Microchip ATECC608A Cryptographic Co-processor**

The powerful, low-power processor that is used in all MKR Family boards.

06 **Step down converter**

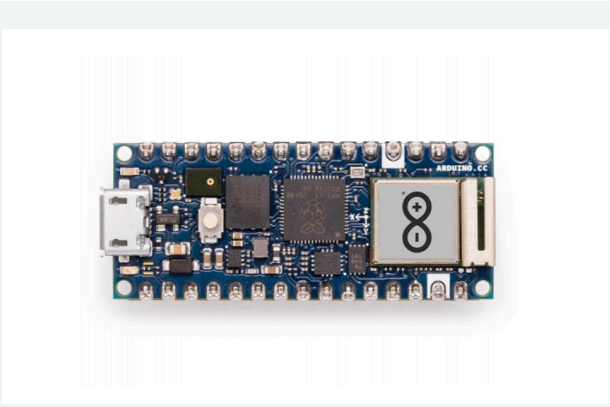
Achieve high efficiency and low noise over a wide input voltage range with the built-in switch mode power supply

07 **Arduino Nano Form Factor**

Solder headers to start prototyping with a breadboard, then solder directly into your final product. The familiar Nano form factor gives you the choice to use the board according to your needs, backed by the vibrant Arduino community.

Product Gallery









Resource Links

- https://www.seeedstudio.com/ARDUINO-NANO-RP2040-CONNECT-WITH-HEADERS-p-4941.html
- Accessing IMU data on Nano RP2040 Connect
- Web Server AP mode with Arduino Nano RP2040 Connect
- Setting up Nano RP2040 Connect with Arduino IoT Cloud
- BLE device to device with Nano RP2040 Connect
- Reading microphone data on Nano RP2040 Connect
- Using the IMU Machine Learning Core Features
- Control built-in RGB LED over Wi-Fi with Nano RP2040 Connect
- Datasheet
- Fritzing Files
- Full Pinout
- Schematics
- STL Files

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