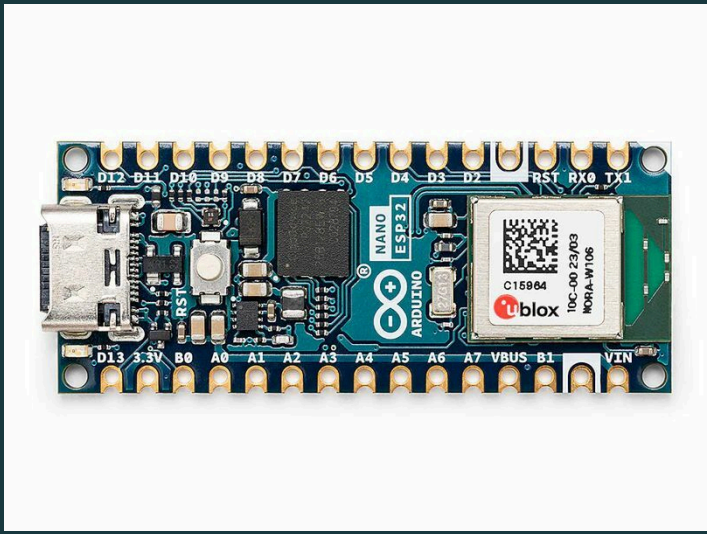
seeed studio

INDUSTRIAL PRODUCT DATASHEET

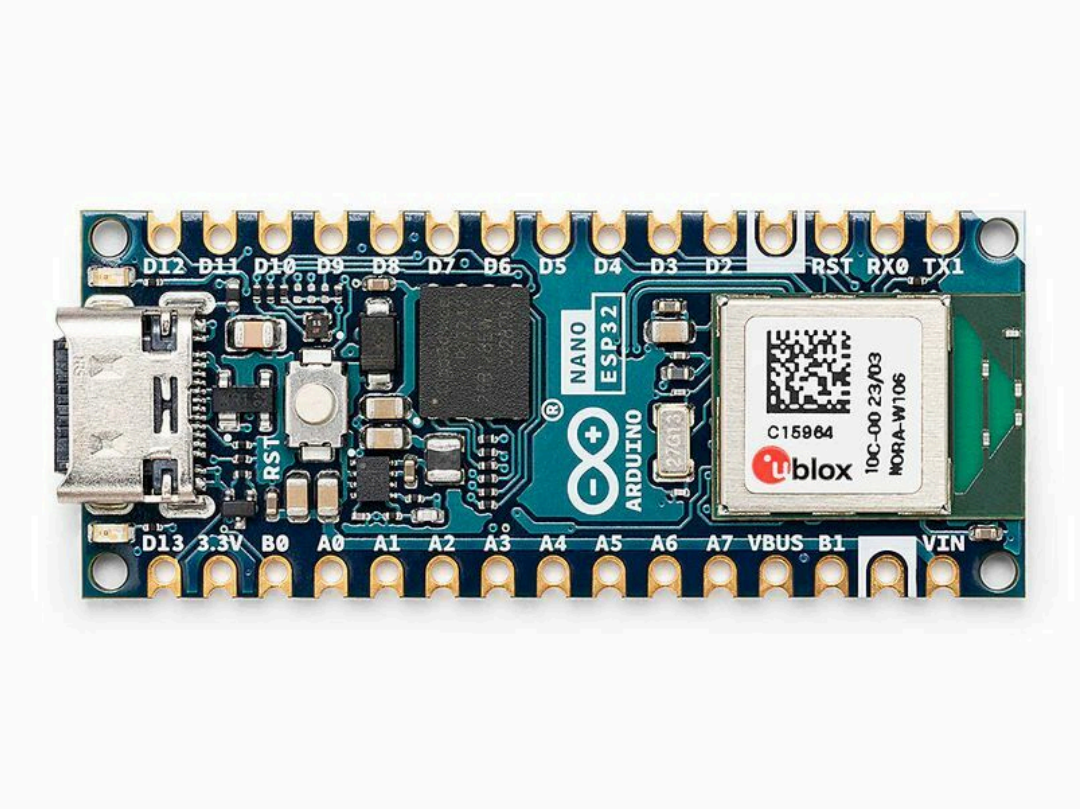
Arduino Nano ESP32 - ESP32S3, Wi-Fi, Bluetooth, 14x digital I/O, 8x analog input, 5x PWM, 2x UART, 1x IIC, 1x SPI, support MicroPython and Arduino

Arduino Nano ESP32 is a compact board with a powerful ESP32S3 microcontroller running up to 240 MHz.

SKU	UPDATED	PRICE
102991794	2026-11-11 08:59:25	$20.00(Excl. VAT)



Overview



Arduino Nano ESP32 is a compact board with a powerful ESP32S3 microcontroller running up to 240 MHz. It offers 2.4 GHz Wi-Fi and Bluetooth, and comes with a wide range of peripherals. This board supports MicroPython and Arduino and includes a MicroPython 101 course for easy programming guidance.

Key Features

01 **Tiny footprint ESP32 MCU Board by Arduino**

Build upon the ESP32S3 microcontroller while operating up to 240 MHz, yet designed with a compact size

02 **Wireless Capability**

Equip the 4 GHz Wi-Fi and Bluetooth® wireless connection, compatible with Arduino IoT Cloud

03 **A wide range of peripherals**

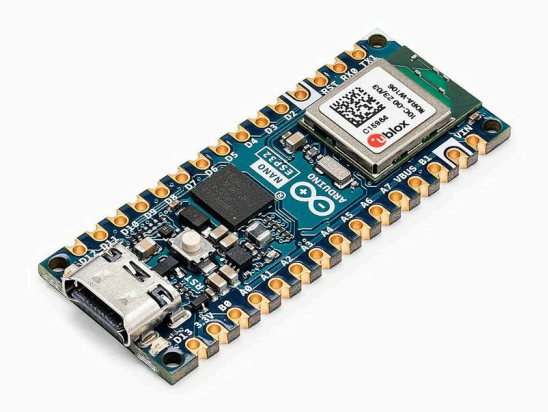
Offer 14x digital I/O pins, 8x analog input pins, and 5x PWM pins, and provide 2x UART, 1x IIC, 1x SPI data communication

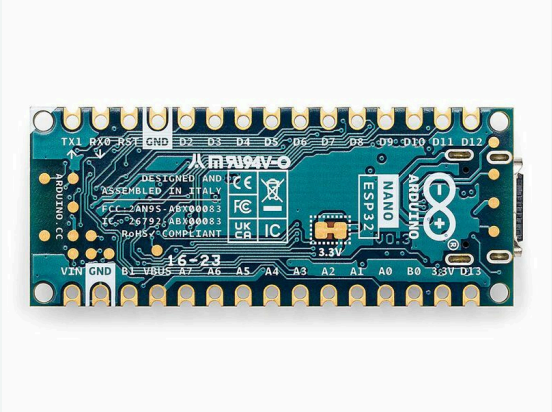
04 **Multiple Development Approaches**

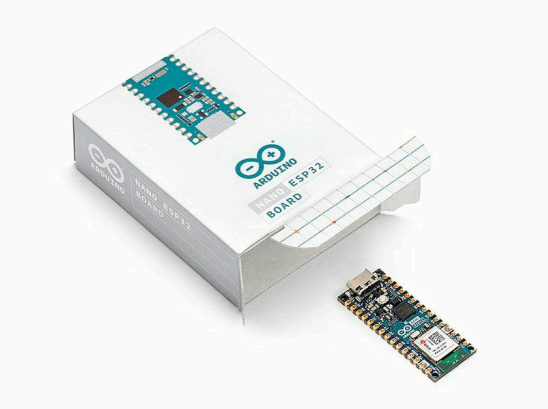
Support MicroPython and Arduino programming

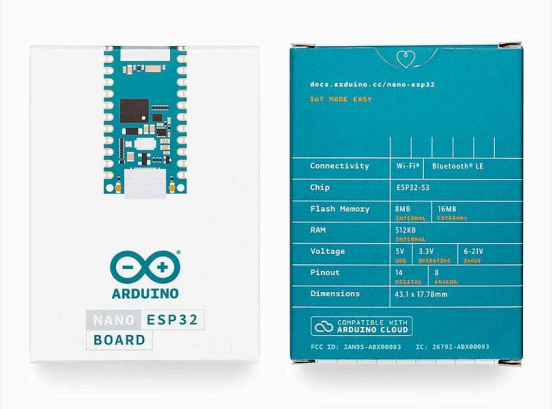
05 **MicroPython 101 course attached**

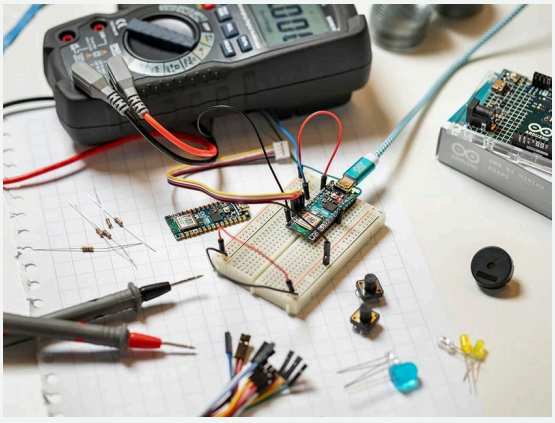
Product Gallery











Applications

- **Internet of Things (IoT) Projects**
- **Remote Monitoring and Control**
- **Wireless Sensor Networks (WSN)**
- **Data Loggers**
- **Robotics and Automation**

Resource Links

- https://www.seeedstudio.com/Arduino-Nano-ESP32-without-headers-p-5718.html
- Schematics
- Datasheet
- Full-pinouts

Seeed Technology Co.,Ltd.
9F, Building G3, International E City,
Zhongshanyuan Road, Nanshan, Shenzhen, China

Tel: +86 0755-80695676
Web: www.seeed.cc
Shop: www.seeedstudio.com