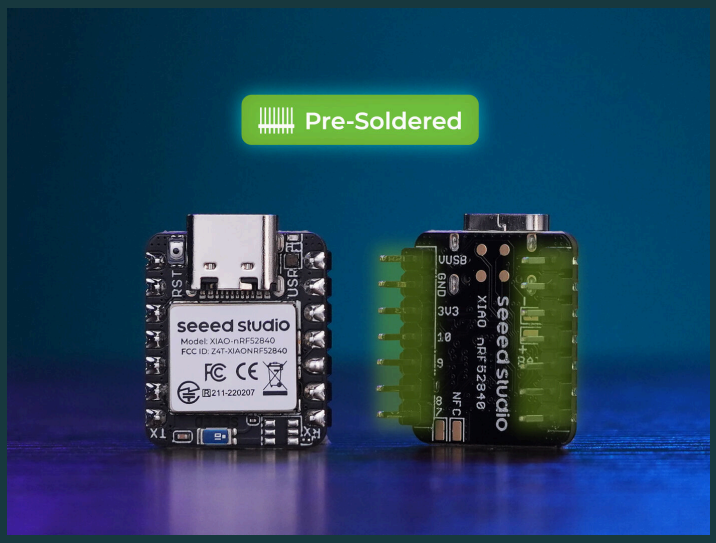
seeed studio

INDUSTRIAL PRODUCT DATASHEET

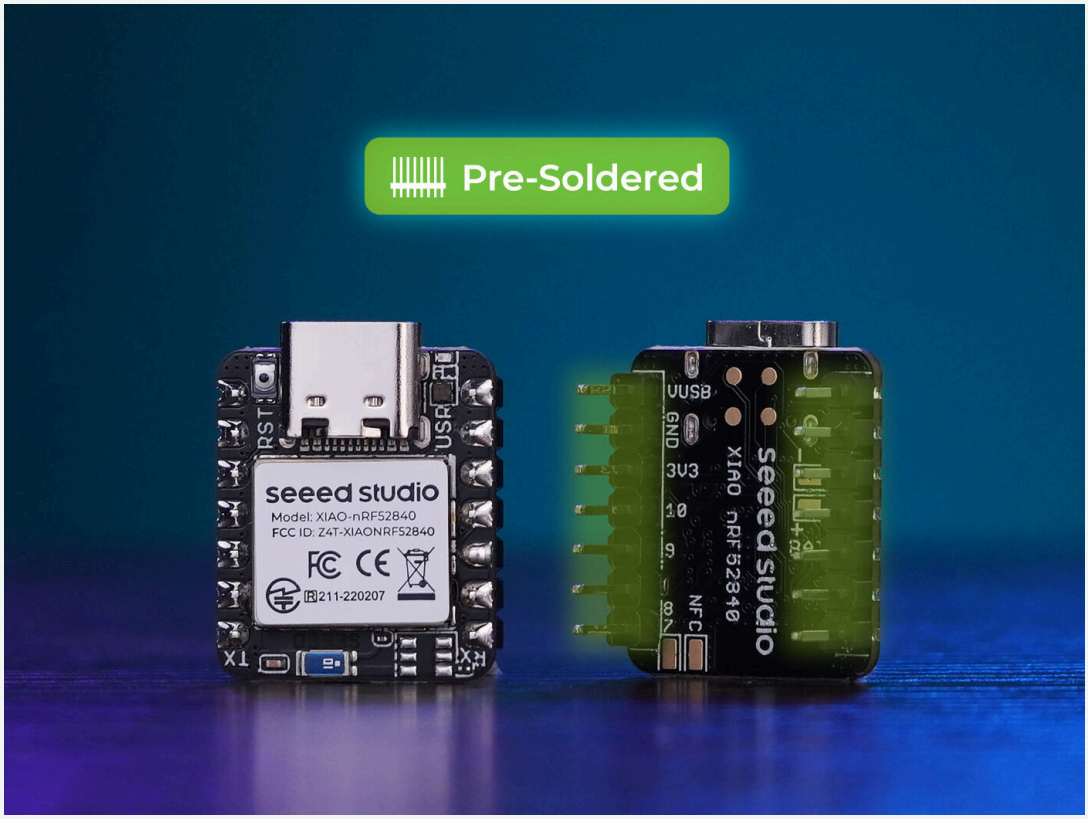
Seeed Studio XIAO nRF52840 (Pre-Soldered)

This is the pre-soldered version of Seeed Studio XIAO nRF52840, which is carrying wireless capability for the first time and it supports Bluetooth Low Energy 5.4, also able to operate with low power consumption.

SKU	UPDATED	PRICE
102010631	2026-11-11 09:07:12	$10.90(Excl. VAT)



Overview



This is the pre-soldered version of Seeed Studio XIAO nRF52840, which is carrying wireless capability for the first time and it supports Bluetooth Low Energy 5.4, also able to operate with low power consumption. It will be your best microcontroller for Bluetooth applications.

Key Features

01 **Versatile Microcontroller**

Incorporate the Nordic nRF52840 chip with FPU, operating up to 64 MHz, mounted multiple development ports, supported by Arduino / CircuitPython / Micropython

02 **Wireless Capabilities**

Implement Bluetooth Low Energy 5.4, BLE functions with onboard antenna, also provide NFC connectivity

03 **Elaborate Power Design**

Provide ultra-low power consumption as 5 μA in deep sleep mode while supporting lithium battery charge management

04 **Thumb-sized Design**

21 x 17.8mm, Seeed Studio XIAO series classic form-factor, suitable for wearable devices

05 **Perfect for Production**

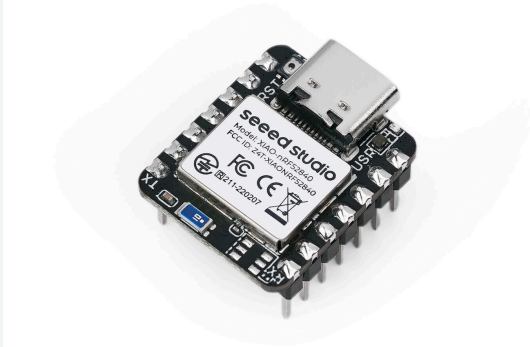
Breadboard-friendly & SMD design, no components on the back

06 **Starter Kit with free Course for all Electronics Neophytes and Enthusiasts**

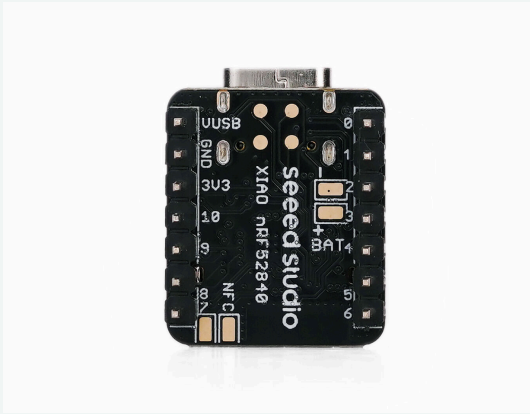
07 **We already have 10 XIAO products based on different solutions in the XIAO family, to help you better understand the differences and choose the most suitable part for your projects, please refer to the Seeed Studio XIAO Series Page.**

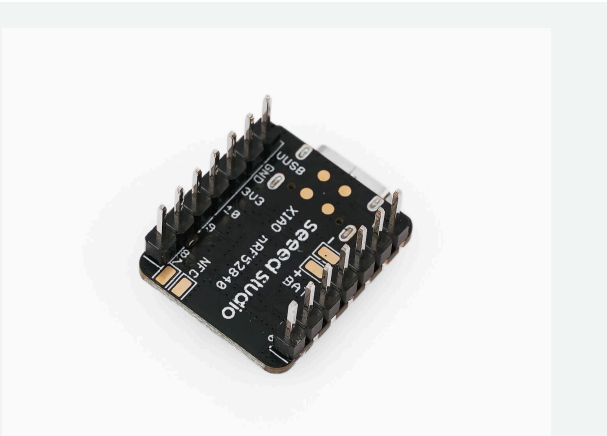
Product Gallery



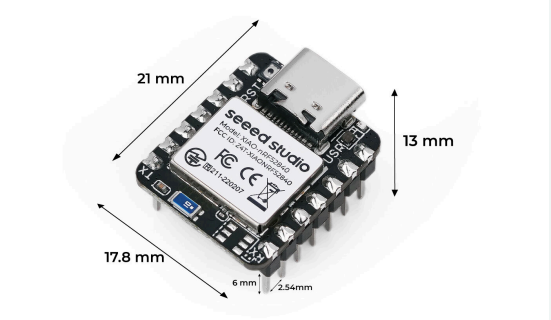




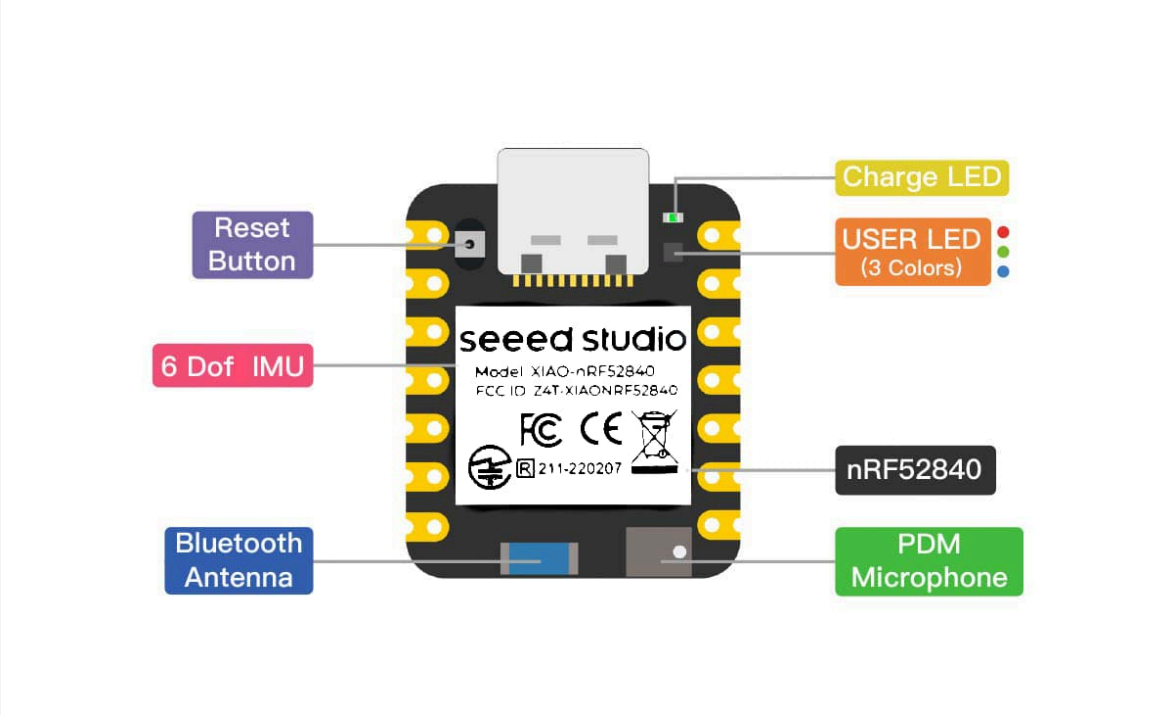


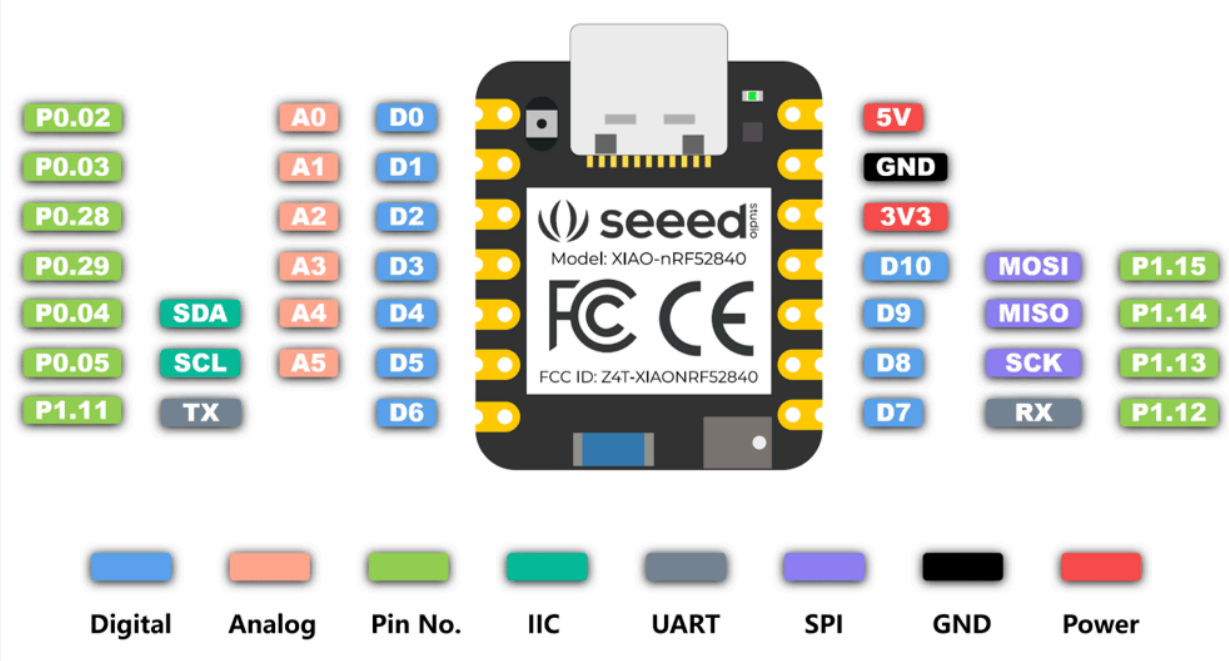


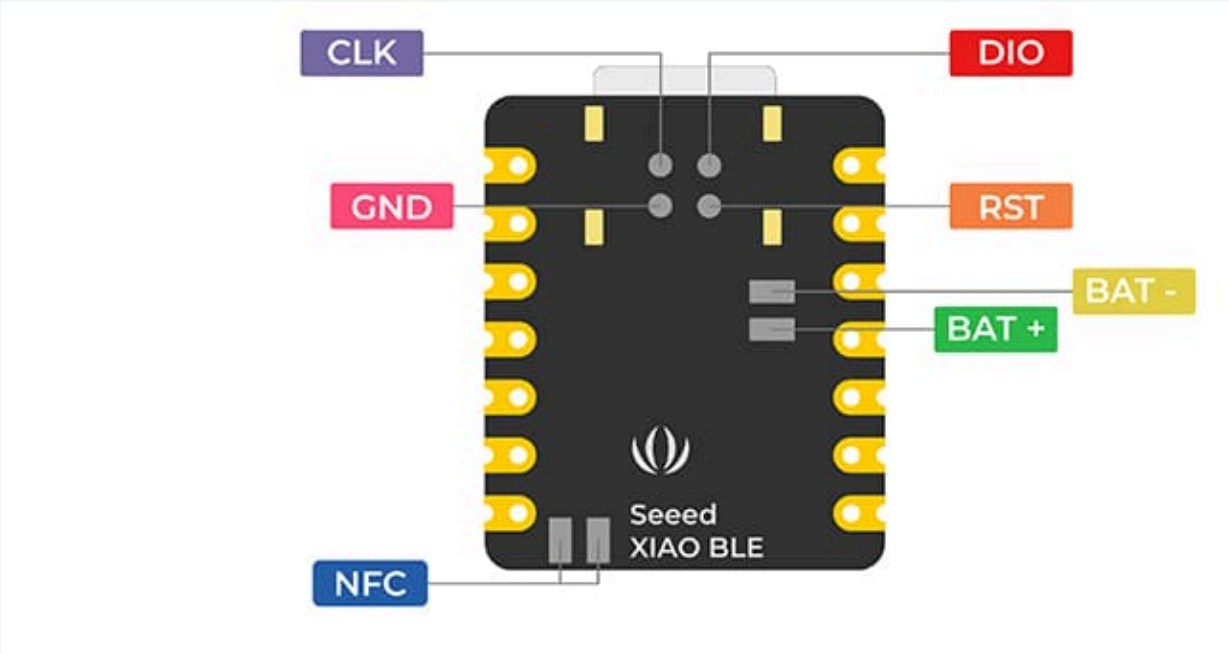



21 mm
13 mm
17.8 mm
6 mm
2.54mm

Hardware Overview







Applications

- **Wearable devices**
- **Wireless connect**
- **Embedded machine learning projects**
- **Perfect for mini Arduino projects**
- **Tiny Machine Learning application**

Resource Links

- https://www.seeedstudio.com/Seeed-Studio-XIAO-nRF52840-Pre-Soldered-p-6332.html
- 3D Printing "Case" Studies
- PCN-XIAO Series Packaging Upgrade.pdf
- Wiki-XIAO nRF52840 Series Resources
- Seeed Studio XIAO nRF52840 BLE Communication Distance Test Report
- Seeed Studio XIAO Use Case

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