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INDUSTRIAL PRODUCT DATASHEET

Seeed Studio XIAO SAMD21 (Pre-Soldered) - Seeeduino XIAO

This is the pre-soldered version of XIAO SAMD21, a mini Arduino compatible board built on Microchip SAMD21G18 MCU.

SKU	UPDATED	PRICE
102010388	2026-11-11 08:33:00	$6.50(Excl. VAT)



Overview



This is the pre-soldered version of XIAO SAMD21, a mini Arduino compatible board built on Microchip SAMD21G18 MCU. As the flagship model in Seeed Studio XIAO series, this thumb-sized board offers professional-grade performance in an ultra-compact form factor with a SMD design. With comprehensive support for Arduino IDE, MicroPython, and PlatformIO, along with extensive learning courses and tutorials, it's an excellent platform for beginners entering the world of open-source electronics.

Key Features

01 **The Perfect Arduino Board for Electronics Beginners**

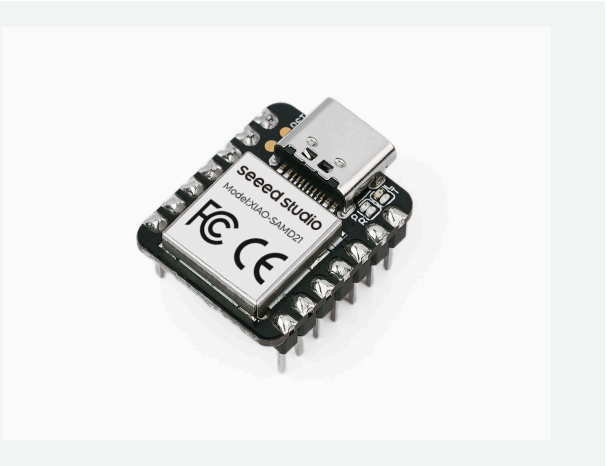
02 **Solder-Free for Instant Creation**

03 **Classic Form Factor and Extensive Seeed Studio XIAO Ecosystem**

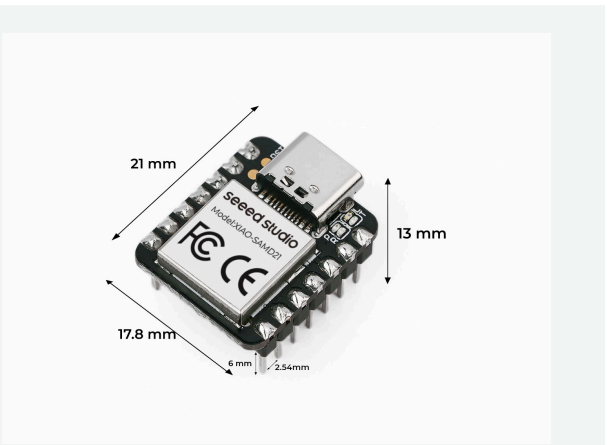
04 **Production-Ready Design with FREE PCBA Support**

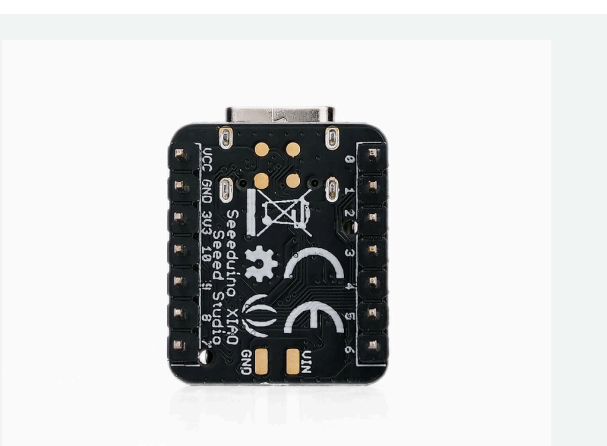
Product Gallery

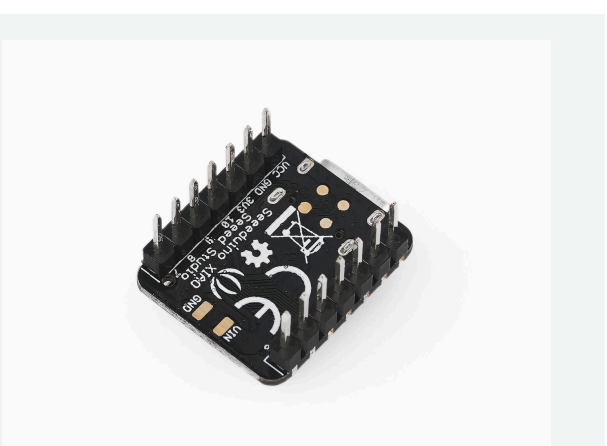










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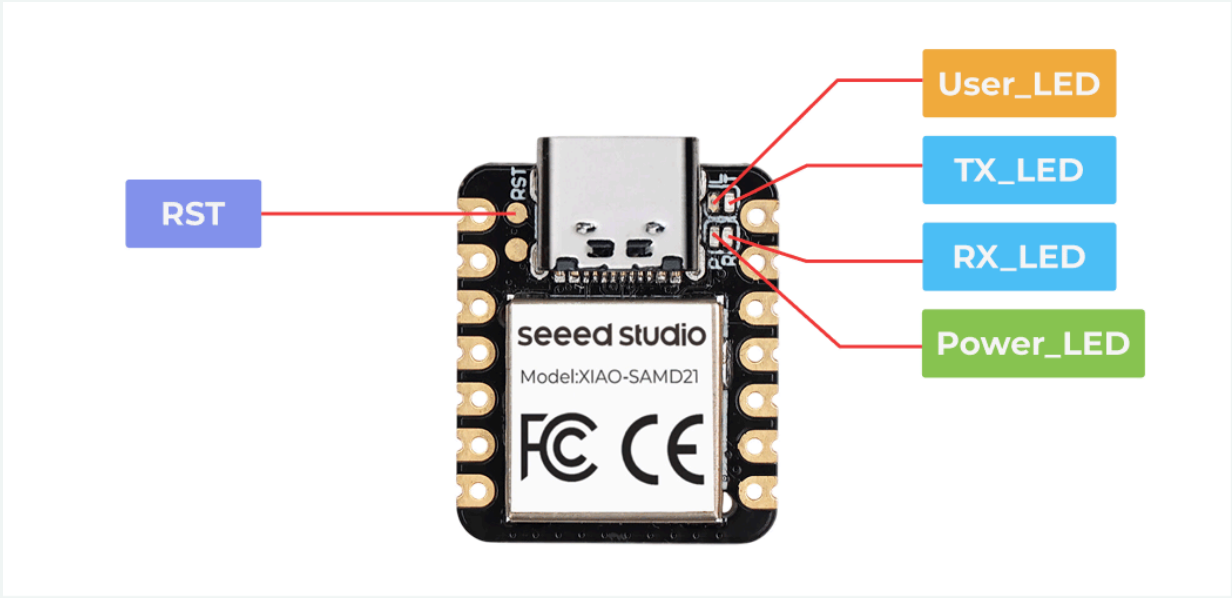
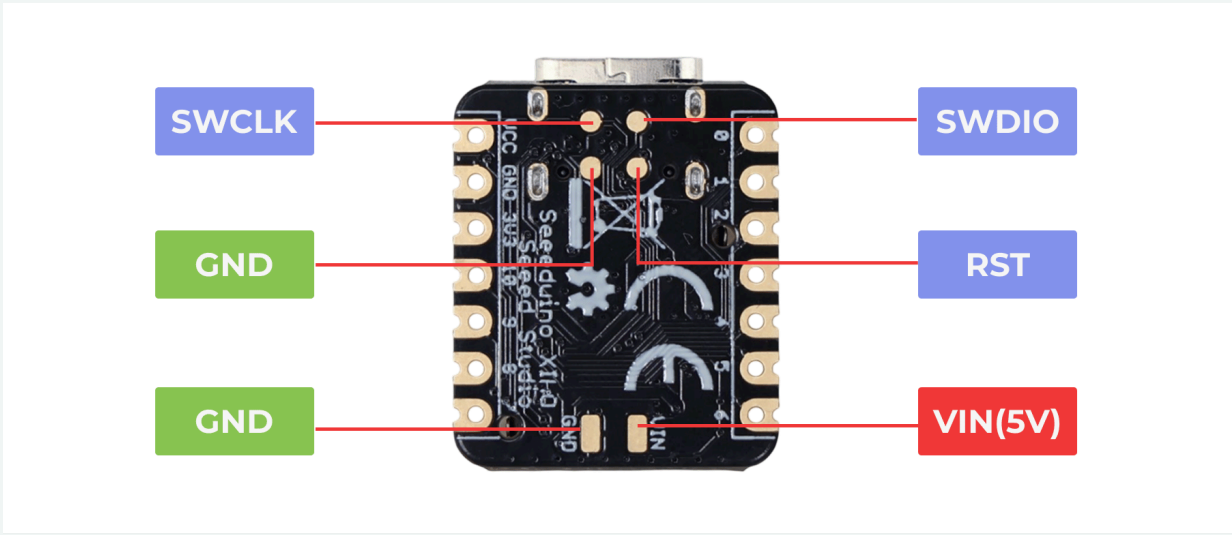
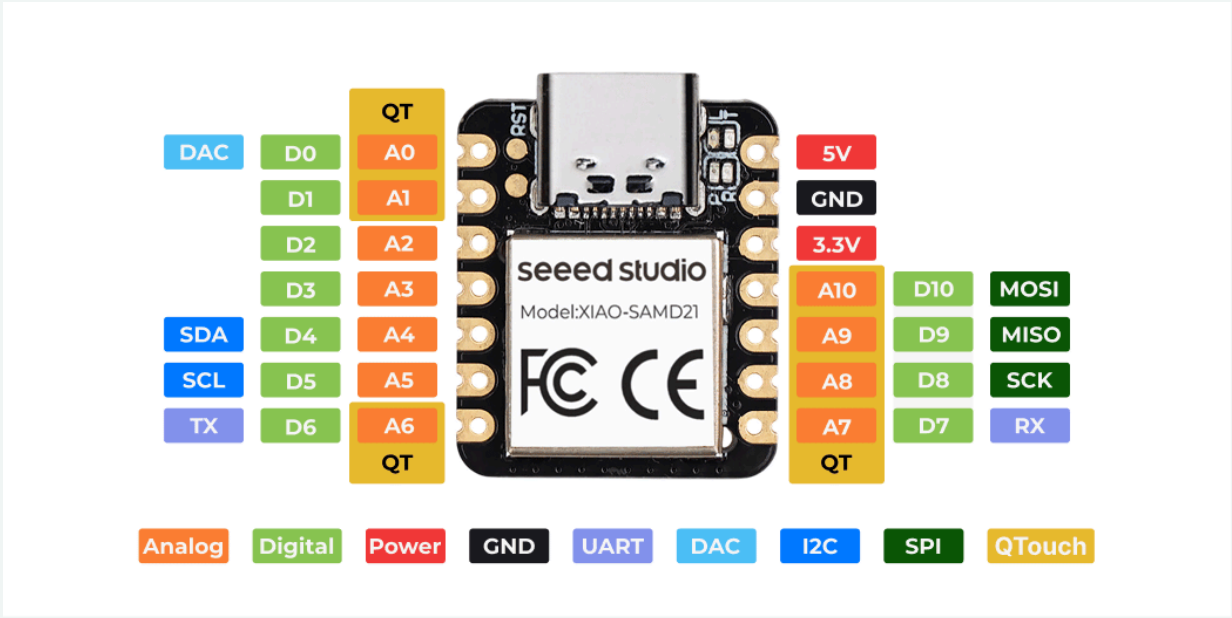
Model:XIAO-SAMD21

Hardware Overview







Applications

- **Learning & Education (Arduino, MicroPython, basic electronics and prototyping)**
- **Wearable devices (health monitoring, interactive clothing, compact fitness trackers):** IoT & Sensor Projects (Environmental monitoring, data collection devices, smart home sensors, small automation systems)
- **Space-Constrained Mini Arduino Projects (Miniature robots, portable devices, small electronics gadgets, embedded control systems)**
- **Rapid prototyping (Quick proof-of-concept builds, hardware testing, product prototypes, embedded system development)**
- **HID devices (DIY keyboard, USB to multi-channel TTL/USB host mode, etc.)**

Resource Links

- https://www.seeedstudio.com/Seeeduino-XIAO-Pre-Soldered-p-4747.html
- Wiki-XIAO SAMD21 Resources
- Seeed Studio XIAO Use Case
- 3D Printing "Case" Studies

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