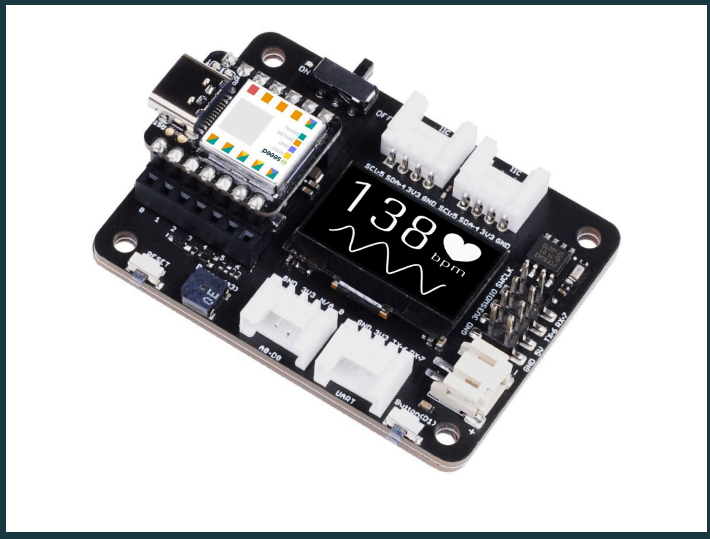
seeed studio

INDUSTRIAL PRODUCT DATASHEET

Seeed Studio Expansion Board Base for XIAO with Grove OLED - IIC, Uart, Analog/Digital

Seeed Studio XIAO Expansion Board is a powerful functional expansion board for Seeed Studio XIAO series of only half Raspberry Pi 4 size.

SKU	UPDATED	PRICE
103030356	2026-11-11 08:33:21	$14.90(Excl. VAT)



Overview



Seeed Studio XIAO Expansion Board is a powerful functional expansion board for Seeed Studio XIAO series of only half Raspberry Pi 4 size. It enables building prototypes and projects in an easy and quick way. With its rich peripherals, you could explore the infinite possibilities of Seeed Studio XIAO series. Circuit python is also well supported by this board.

Key Features

01 **Quick Prototyping**

Easy debug and Reset with RESET button and SWD pin led out to the male header. 0.96” OLED, enables visual data to display without PC serial monitor.

02 **Rich peripherals**

OLED display, RTC, expandable memory space, passive buzzer, user button, on board battery management chip... One board on hand to explore the infinite possibilities of Seeed Studio XIAO series （not inculded the XIAO nRF54 and MG24 series) .

03 **Mini Size**

Compact and elegant with only half Raspberry Pi 4 size, perfect for tiny and wearable projects.

04 **No Soldering Needed**

All pins are led out. Convenient plug-and-play Grove connectors support multiple data protocols, including IIC, Uart, and Analog/Digital.

05 **Circuit Python Supported**

Well supports circuit python. Mini SD card slot enables memory space expansion, making it possible to allocate more libraries needed in prototyping and project building.

06 **Rich peripherals on board including**

07 **OLED display**

Visual data display without connecting to PC, which enables debug in a more efficient way, and builds application such as a sensor hub, data monitor system, .etc

08 **RESET button**

No more jumper wire and short circuit, easy reset with just one click.

09 **SWD debug**

SWD pin led out as male pin header, making debugger connection and firmware download much easier.

10 **High precision RTC**

High precision real-time clock with battery backup, enables maintaining accurate time when the main power is turned off.

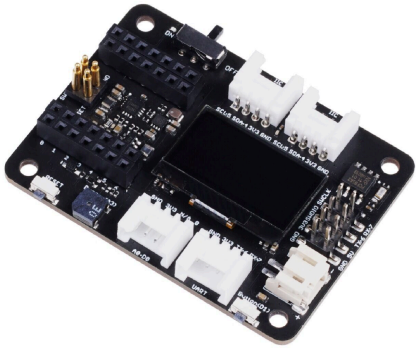
11 **Expandable memory**

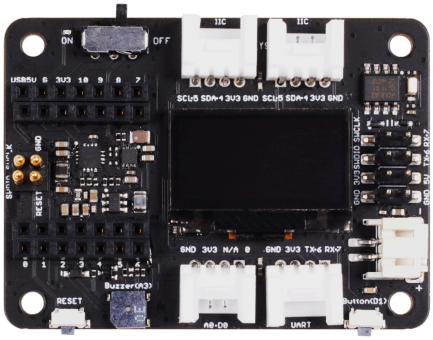
With a MicroSD card slot on the back, no worry about the memory limit any more when adding libraries and using circuit python.

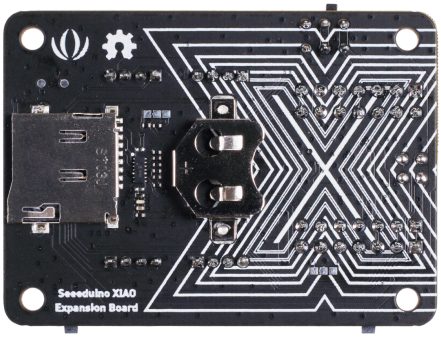
12 **User button**

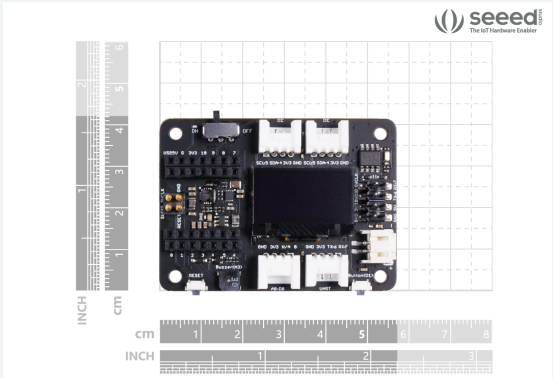
Besides the RESET button, also provide another user-defined button.

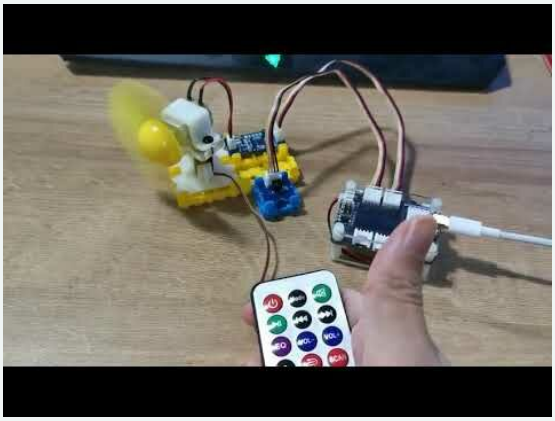
Product Gallery



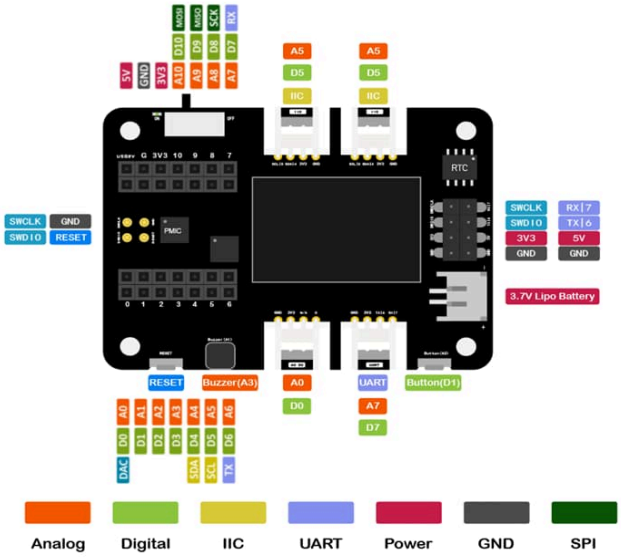




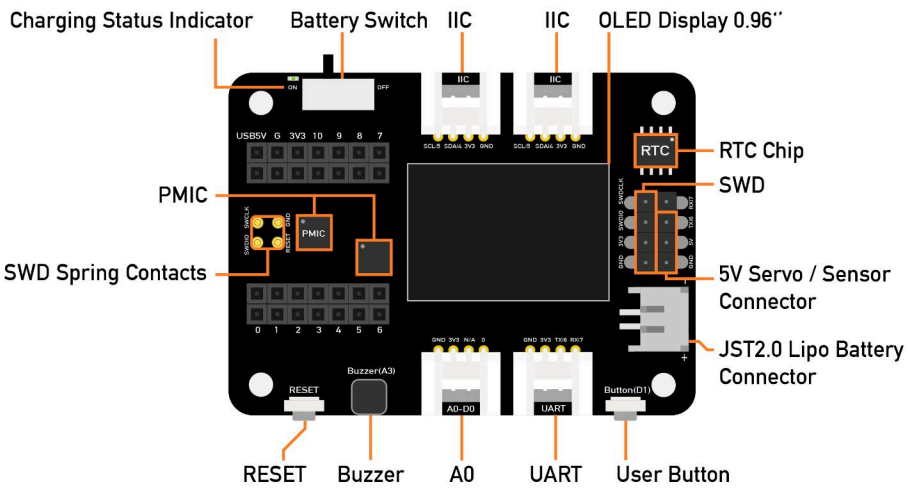


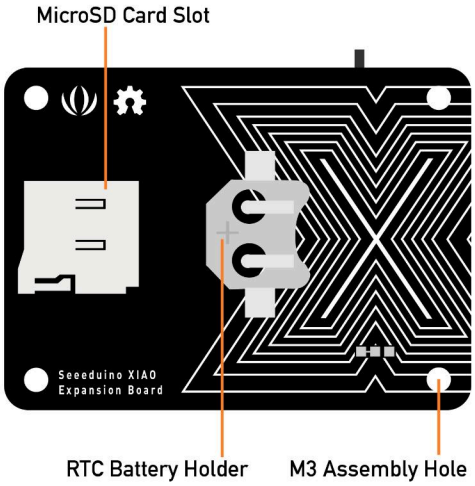


Hardware Overview



GPIO	0	1	2	3	4	5	6	7	8	9	10	SWCLK	SWDIO	RESET
Interface	A0、D0	D1	SPI	A3	IIC		UART		SPI			SWD		RESET
Components	Grove×1	User Button	mini SD	Buzzer	Grove×2		Grove×1、Headers		mini SD			Headers		Button





Applications

- **SMD debug**
- **Rapid prototyping**
- **Data display**
- **Mini Size Project**

Resource Links

- https://www.seeedstudio.com/Seeeduino-XIAO-Expansion-board-p-4746.html
- XIAO Reference Design
- 3D Printing "Case" Studies
- PCN-103030356

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