Seeed XIAO RP2040 - Supports Arduino, MicroPython and CircuitPython
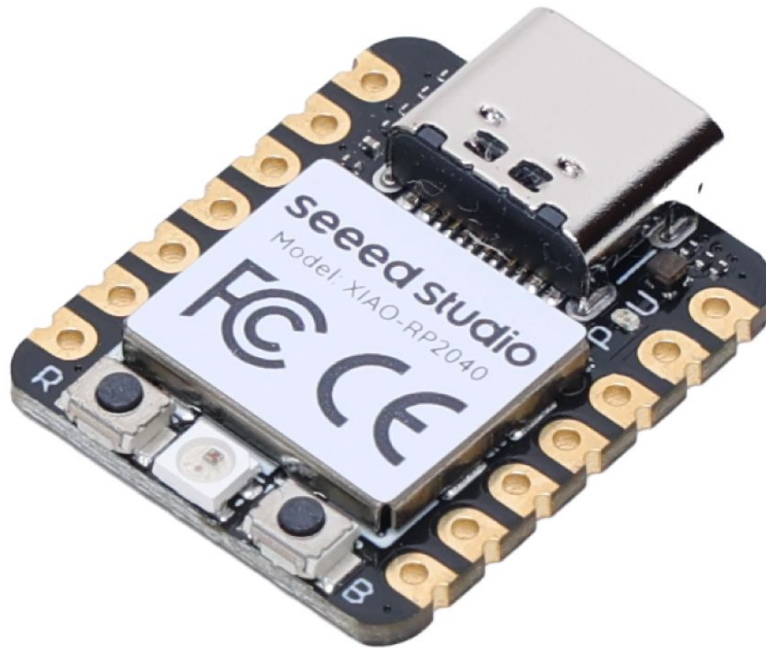

Features

- **High Performance:** Powered by Raspberry Pi 2040 chip, dual-core operating up to 133 MHz, equipped 264KB of SRAM, and 2MB of onboard flash memory
- **Ultra-small Design:** 21 x 17.5mm, Seeed Studio XIAO series classic form-factor, suitable for wearable devices
- **Multiple Development Interfaces:** 2x buttons, 11x digital / 4x analog pins, 1x I2C interface, 1x UART port, 1x SPI port, and 1x SWD Bonding pad interface
- **Multiple Develop Platform:** Support Arduino / Micropython / CircuitPython development, friendly for beginners, satisfied for electronics enthusiasts
- **Perfect for Production:** Breadboard-friendly & SMD design, no components on the back
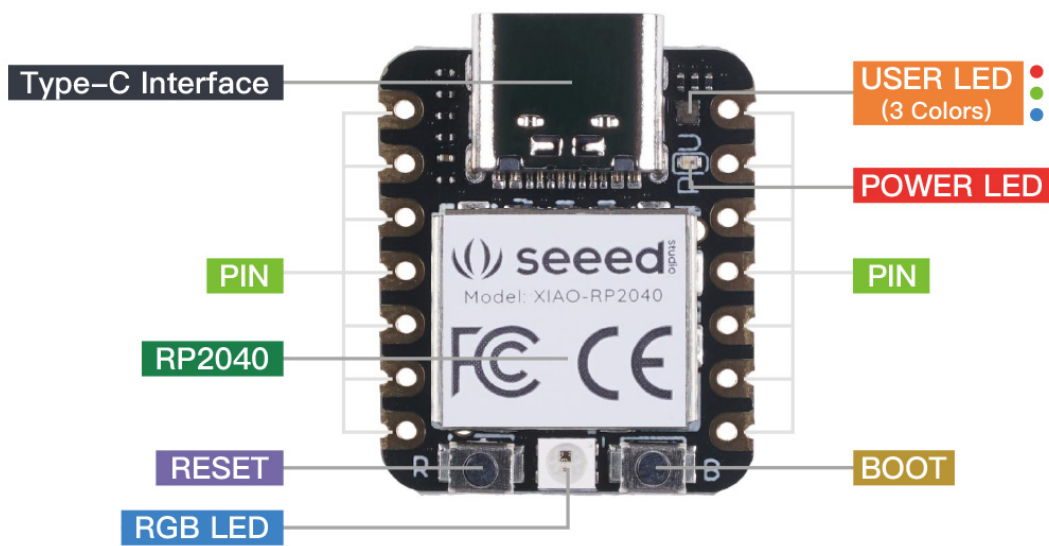
Specification

Parameter	Description

CPU	Dual-core ARM Cortex M0+ processor, flexible clock running up to 133 MHz
Storage	264KB of SRAM, and 2MB of onboard Flash memory
I/O PINs	11 digital pins, 4 analog pins, 11 PWM Pins
Interface	1 I2C interface, 1 UART interface, 1 SPI interface, 1 SWD Bonding pad interface
Power supply & Downloading interface	USB Type-C interface
LEDs:	1 user LED, 1 power LED, two LEDs for serial port downloading, 1 RGB LED
Button	1 RESET button, 1 BOOT button
Power Pads	For the battery power supply
Software compatibility	Support Micropython / Arduino / CircuitPython
Cover	Projection cover for protecting the circuit
Dimensions	21x17.5 mm

Attention

All the I/O pins are 3.3V, please do not input more than 3.3V, otherwise, the CPU may be damaged.

Hardware Pinout

Part List

Seeed Studio XIAO RP2040 Microcontroller	x1

ECCN/HTS

HSCODE	8543709990
USHSCODE	8543708800
UPC	
EUHSCODE	8543709099
COO	CHINA

CE	1
EU DoC	1
FCC	1
RoHS	1
UK DoC	1