Seeeduino XIAO (Pre-Soldered) Board

Product Overview

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For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

Seeed Studio Seeeduino XIAO (Pre-Soldered) Board is Arduino-compatible and embedded with the SAMD21 microchip. This board is designed to exhibit low power consumption and built-in Type-C and is applicable for TinyML, smart wearable devices, and IoT projects. The XIAO expansion board features ARM® Cortex®-M0 and 32-bit 48MHz microcontroller with 256KB flash and 32KB SRAM.

The XIAO pre-soldered board is compatible with Arduino IDE, breadboard-friendly, and includes power pads for the battery power supply. Typical applications include wearable devices, rapid prototyping, DIY keyboard, and USB development.
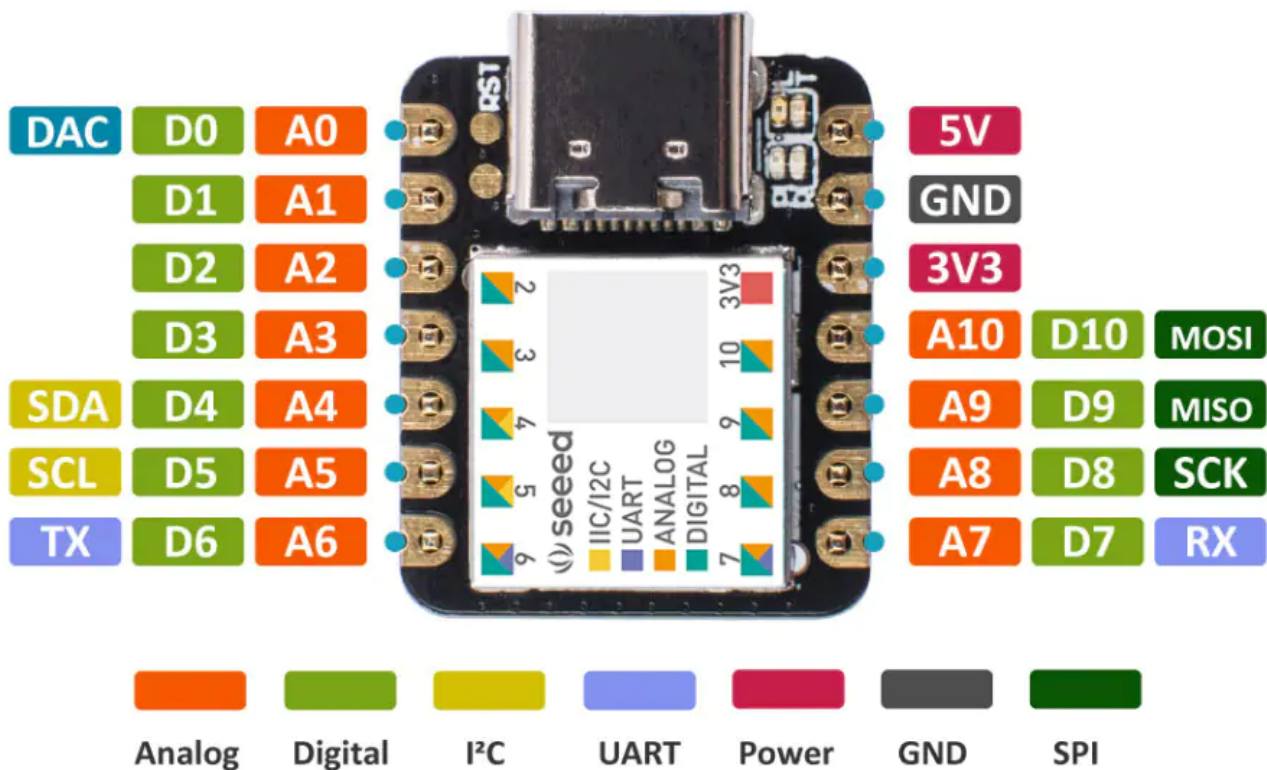
Features

- ARM Cortex-M0+ CPU (SAMD21G18) running at up to 48MHz
- 256KB Flash and 32KB SRAM storage
- 14 GPIO PINs,11 analog PINs, 11 digital PINs, and 1 DAC output Pin
- 1 I²C interface,1 UART interface, and 1 SPI interface
- Power supply and downloading interface:
  - USB Type-C interface
- 1 user LED, 1 power LED, and two LEDs for serial port downloading
- Two reset button short connect to reset
- Power pads for the battery power supply
- Compatible with Arduino IDE
- Projection cover for protecting the circuit
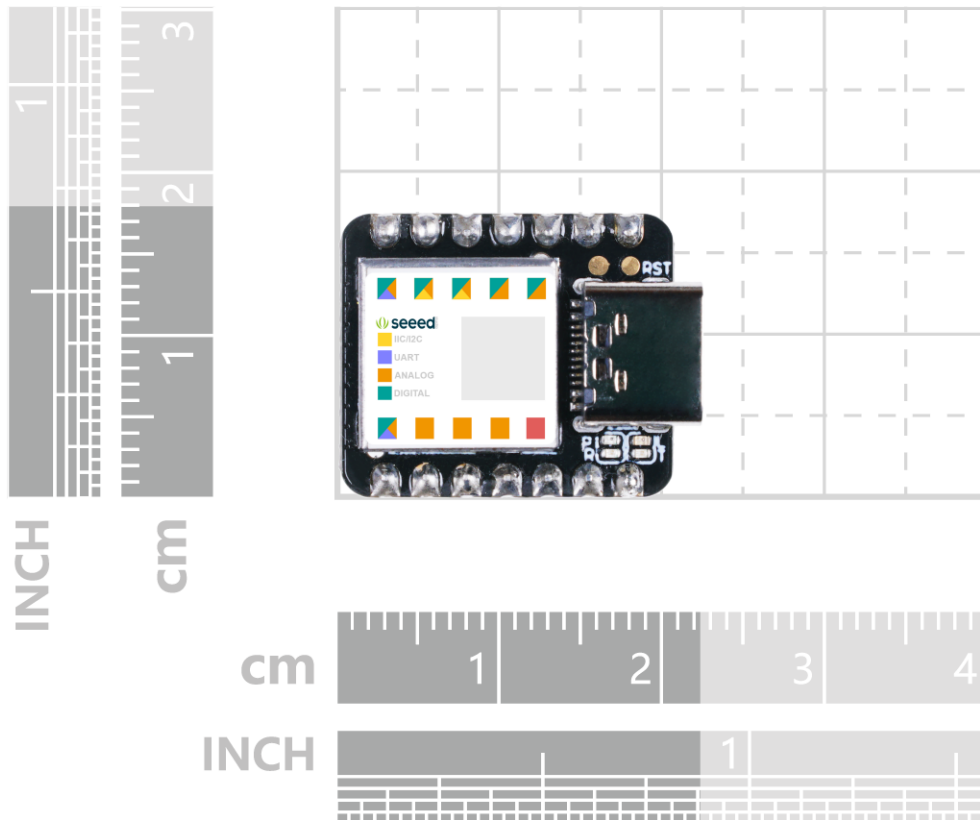- Breadboard-friendly
- 20 x 17.5 x 3.5mm

Applications

- Wearable devices
- Rapid prototyping (directly attached to the expanded PCB as a minimal system)
- Perfect for all the projects that need mini-Arduino
- DIY keyboard
- USB development (USB to multi-channel TTL/USB host mode)

Pin Out Diagram

Dimensions

Mouser Part Number

The information contained in this document should be used as a guideline only.