



Seeeduino Lotus Cortex-M0+

SKU 102010228



- 1 +

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SAM D21

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Description

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Seeeduino Lotus Cortex-M0+ is an ATMEGA SAM D21 Microcontroller development board. The Atmel® | SMART™ SAM D21 is a series of low-power microcontrollers using the 32-bit ARM® Cortex®-M0+ processor with 256KB Flash and 32KB of SRAM. you can consider the Seeeduino Lotus Cortex-M0+ as a combination of Seeeduino and Base Shield.

Seeeduino Lotus Cortex-M0+ has 14 digital input/outputs (10 of which support PWM) and 6 analog input/outputs, 3 Serial Communication Interface, a micro USB connector, a JST2.0 Li-Po connector, an ICSP header, 12 Grove connectors, a reset button.

Seeeduino Lotus Cortex-M0+ is an upgraded version of [Seeeduino Lotus V1.1](#), it replaces a more powerful chip, optimizes the circuit layout, and the power supply is more stable. Because this chip supports direct USB level output, there is no need to use a serial port to USB chip, like CP2102N. Therefore, one more hardware serial port is available to the user.

Features

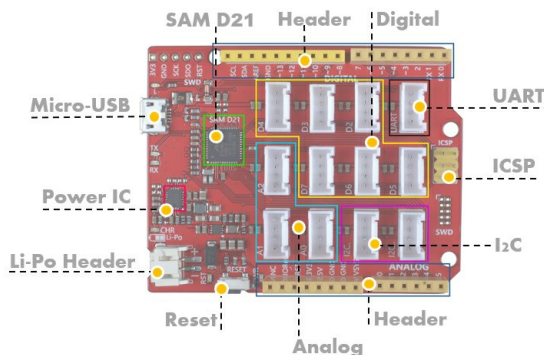
- Compatible with Arduino UNO
- ARM® Cortex®-M0+ 32bit 48MHz microcontroller(SAMD21)
- 12 on-board Grove connectors
- 14 Digital I/O Pins (10 PWM outputs)
- 6 Analog Inputs
- Support Power Path Management
- Support micro-usb or Li-Po battery powered
- 2A maximum charging current
- Suitable for low power design



Attention

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

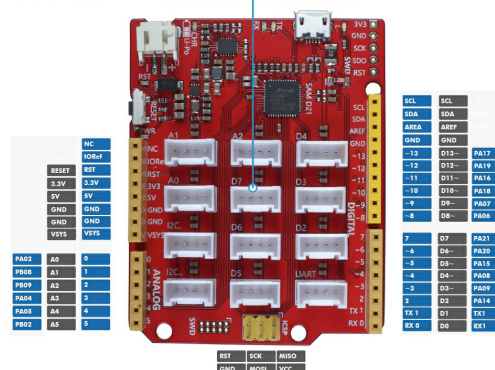
Hardware Overview



Pinout



Seeeduino Lotus Cortex-M0+



ECCN/HTS

ECCN	EAR99
HSCODE	8543709990
UPC	

Company

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