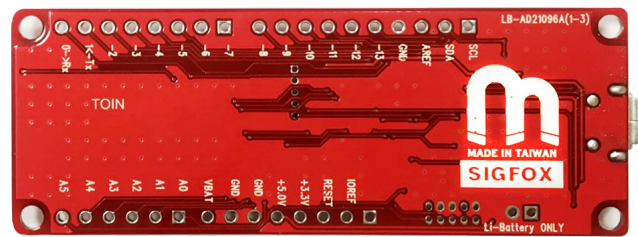
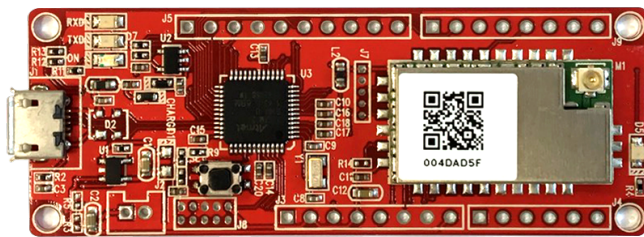


Arduino and SigFox connectivity module



sigfox



MTDuino-SFM2CWW001

3.3V

32-bit

48 MHz

ARM Core

SigFox

The more creative individual will have the potential to create one's most imaginative and new ideas for IoT devices, wearable technologies, high tech automation, wild robotics and other not yet thinkable adventures in the world of makers. The MTDuino-SFM2CWW001 represents a simple, yet powerful, 32-bit extension of the Arduino UNO platform. The board is powered by Atmel's SAMD21 MCU, featuring a 32-bit ARM Cortex® MTDuino-SFM2CWW001 core. With the addition of the MTDuino-SFM2CWW001 board, the Arduino family becomes larger with a new member providing increased performance. The power of its Atmel's core gives this board an upgraded flexibility and boosts the scope of projects one can think of and make; moreover, it makes the MTDuino-SFM2CWW001 the ideal educational tool for learning about 32-bit application development.

Specification

Microcontroller	ATSAMD21G18, ARM Cortex-M0+, 48pins LQFP
Board Power Supply (USB/VIN)	5V
Supported Batteries(*)	Li-polymer battery
Circuit Operating Voltage	3.3V
Digital I/O Pins	20
PWM Output	12
Analog Input Pins	6 (ADC 8/10/12 bit)
Analog Output Pins	1 (DAC 10 bit)
DC Current per I/O Pin	7 mA
Flash Memory	256 KB
SRAM	32 KB
Clock Speed	32.768 kHz (RTC), 48 MHz
Antenna power	0.3dB @ 868M, 1.3 dB @ 915M
Carrier frequency	868 MHz, 915MHz
Working region	World Wide(WW)
Length	67 mm
Width	25 mm

