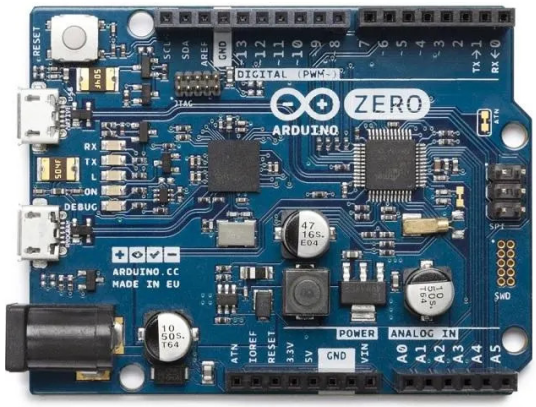
Item no.: 353154

ABX00003 - Zero Extension Board

from **37,86 EUR**

Item no.: 353154
shipping weight: 0.10 kg
Manufacturer: Arduino



Product Description

ABX00003 - Arduino Zero Extension Board

The Zero is a simple and powerful 32-bit extension of the platform established by the UNO. The Zero board expands the family by providing increased performance, enabling a variety of project opportunities for devices, and acts as a great educational tool for learning about 32-bit application development. The Zero applications span from smart IoT devices, wearable technology, high-tech automation, to crazy robotics. The board is powered by Atmel's SAMD21 MCU, which features a 32-bit ARM® Cortex® M0+ core. One of its most important features is Atmel's Embedded Debugger (EDBG), which provides a full debug interface without the need for additional hardware, significantly increasing the ease-of-use for software debugging. EDBG also supports a virtual COM port that can be used for device and bootloader programming.

Warning: Unlike most Arduino boards, the Zero runs at 3.3 V. The maximum voltage that the I/O pins can tolerate is 3.3 V. Applying voltages higher than 3.3 V to any I/O pin could damage the board.

The board contains everything needed to support the microcontroller; simply connect it to a computer with a micro-USB cable or power it with a AC-to-DC adapter or battery to get started. The Zero is compatible with all the shields that work at 3.3 V and are compliant with the 1.0 Arduino pinout.

- Microcontroller: ATSAMD21G18, 32-Bit ARM® Cortex® M0+
- Operating voltage: 3.3 V
- Digital I/O pins: 20
- PWM pins: 3, 4, 5, 6, 8, 9, 10, 11, 12, 13
- UART: 2 (native and programming)
- Analog input pins: 6, 12-bit ADC channels
- Analog output pins: 1, 10-bit DAC
- External interrupts: All pins except pin 4
- DC current per I/O pin: 7 mA
- Flash memory: 256 KB
- SRAM: 32 KB
- EEPROM: None, see documentation
- LED built-in: 13
- Clock speed: 48 MHz
- Length: 68 mm
- Width: 53 mm
- Weight: 12 g

Specifications

Scan this QR code to view the product
All details, up-to-date prices and availability