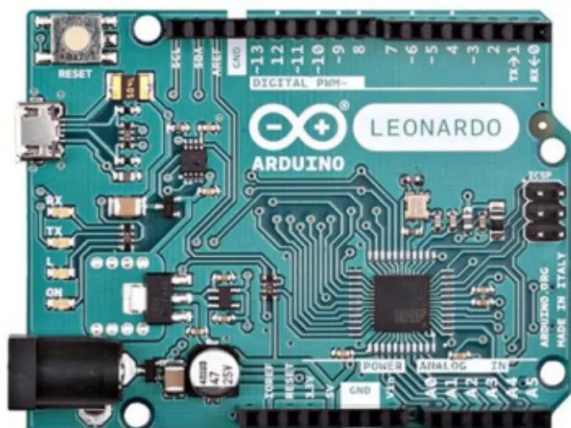


Item no.: 326431

## A000057 - Arduino Leonardo with Headers

from **21,04 EUR**

Item no.: 326431  
shipping weight: 0.10 kg  
Manufacturer: Arduino



### Product Description

#### Arduino Leonardo with Headers

The Arduino Leonardo is a microcontroller board based on the ATmega32u4. It has 20 digital input/output pins (of which 7 can be used as PWM outputs and 12 as analog inputs), a 16 MHz crystal oscillator, a micro USB connection, a power jack, an ICSP header, and a reset button. It contains everything needed to support the microcontroller; simply connect it to a computer with a USB cable or power it with a AC-to-DC adapter or battery to get started.

The Leonardo differs from all preceding boards in that the ATmega32u4 has built-in USB communication, eliminating the need for a secondary processor. This allows the Leonardo to appear to a connected computer as a mouse and keyboard, in addition to a virtual (CDC) serial / COM port. It also has other implications for the behavior of the board.

- Microcontroller: ATmega32u4
- Operating voltage: 5 V
- Input voltage (recommended): 7-12 V
- Input voltage (limits): 6-20 V
- Digital I/O pins: 20
- PWM channels: 7
- Analog input channels: 12
- DC current per I/O pin: 40 mA
- DC current for 3.3 V pin: 50 mA
- Flash memory: 32 KB (ATmega32u4) of which 4 KB used by bootloader
- SRAM: 2.5 KB (ATmega32u4)
- EEPROM: 1 KB (ATmega32u4)
- Clock speed: 16 MHz
- Length: 68.6 mm
- Width: 53.3 mm
- Weight: 20 g

### Specifications

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

