

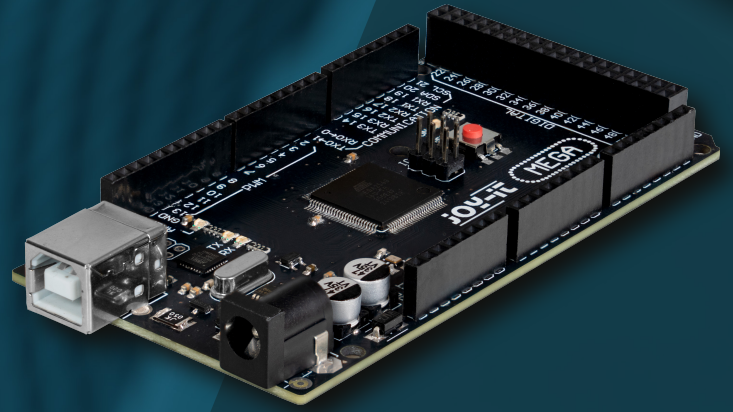
# MEGA2560R3 MICROCONTROLLER BOARD

WITH HIGH CLOCK ACCURACY

JOY-IT

## SPECIAL FEATURES

- ✓ ATmega 2560 microcontroller
- ✓ Precision variant: no loss of time
- ✓ Fully Arduino compatible
- ✓ high-precision clock frequency



The MEGA2560R3-P is the perfect microcontroller board for anyone looking for an uncomplicated and powerful introduction to the world of electronics and programming. It combines a high level of user-friendliness with versatile application options - regardless of whether you want to gain your first programming experience or implement complex projects. Thanks to the practical USB connection, the board can be programmed quickly and easily via the well-known Arduino IDE and put into operation immediately.

With its powerful ATmega2560 microcontroller, the MEGA2560R3-P offers more than enough computing power to realize a variety of projects - from creative craft ideas to smart controls and complex automation. The flexible power supply via USB or a separate power connection allows you to reliably operate the board both mobile and stationary.

A particular advantage of the P series from Joy-IT is the use of a special high-precision quartz. This significantly reduces the usual clock deviation: instead of a deviation of 0.5% - which corresponds to an inaccuracy of around 18 seconds per hour - with the MEGA2560R3-P this is only 0.002%, i.e. just 0.72 seconds per hour. This makes the board particularly suitable for applications where reliable and precise time control is important.

The robust design, simple operation and reliable technology make the MEGA2560R3-P a versatile all-rounder for your electronics projects - for both beginners and advanced users.

## MAIN FEATURES

Microcontroller	ATmega2560
Digital pins	54 (14 with PWM)
Analog pins	16
Input voltage	7 - 12 V (POwer Jack, Vin-Pin), 5 V (USB)
Memory	256 kB (8kB for bootloader)
SRAM	8 kB
EEPROM	4 kB
Clock frequency	16 MHz
Cycle accuracy	± 20ppm

## FURTHER INFORMATION

Weight	62 g
Dimensions	101 x 53 mm
Item number	ARD_MEGA2560R3-P
Scope of delivery	ARD_MEGA2560R3-P, USB cable
Customs tariff number	8473302000
EAN	4250236829418