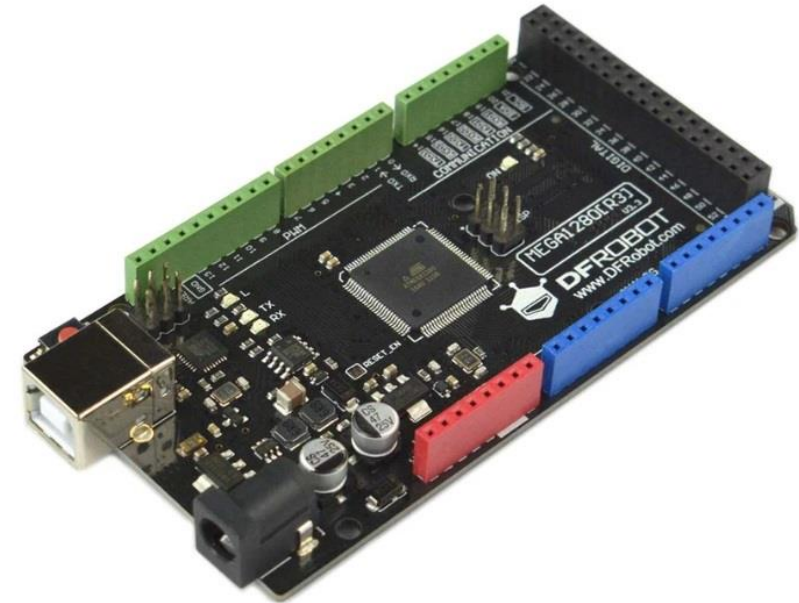


DFRduino Mega1280

Overview

DFRduino Mega1280 is a microcontroller board based on the ATmega1280. It has 54 digital input/output pins, 16 analog inputs, 4 UARTs (hardware serial ports), a 16 MHz crystal oscillator, a USB connection, a power jack, an ICSP header, and a reset button. Because it has bootloader, it can download programs directly from USB. There is no need to use other external programs to burn.

It contains everything needed to support the microcontroller; simply connect it to a computer with a USB cable or power it with an AC-to-DC adapter or battery to get started. The 128KB FLASH space allows it to completely replace the Arduino MEGA2560 in some of its intermediate and lightweight applications. Anyway, this is a cost-effective controller.



Order Code

Order Code	Brand	Description
E00025-001	DFRobot	DFRduino Mega1280

Specification

- Microcontroller: ATmega1280
- Operating Voltage: 5V
- Input Voltage: 3-16V (20V max)
- Digital I/O Pins: 54 (of which 14 provide PWM output)
- Analog Input Pins: 16 I/O
- Flash: 128 KB of which 4 KB used by bootloader
- SRAM: 8kb
- EEPROM: 4kb
- Frequency: 16MHz

Revision History

Date	Revision	Change description
30/10/2025	1.0	Initial release