The [Arduino MEGA 2560](https://store.arduino.cc/usa/mega-2560-r3) is designed for projects that require more I/O lines, more sketch memory and more RAM. With 54 digital I/O pins, 16 analog inputs and a larger space for your sketch it is the recommended board for 3D printers and robotics projects. This gives your projects plenty of room and opportunities maintaining the simplicity and effectiveness of the Arduino platform.

The Arduino Mega 2560 is programmed using the [Arduino Software (IDE)](https://www.arduino.cc/en/Main/Software), our Integrated Development Environment common to all our boards and running both [online](https://create.arduino.cc/editor) and offline.

* [Arduino Web IDE](https://www.arduino.cc/en/Guide/ArduinoMega2560#toc1)
* [Arduino Desktop IDE](https://www.arduino.cc/en/Guide/ArduinoMega2560#toc2)

For more information on how to get started with the Arduino Software visit the [Getting Started page](https://www.arduino.cc/en/Guide/HomePage).

Here are also some other references, provided by [www.arduino.cc/](http://www.arduino.cc/) :

* [Arduino Language Reference](https://www.arduino.cc/reference/en/)
* [Arduino Tutorials](https://www.arduino.cc/en/Tutorial/HomePage)