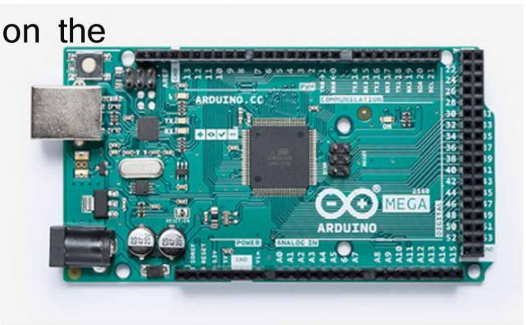
Arduino boards

There are a bunch of Arduino boards, they come in different shapes and sizes, with different processing power, digital IO, and other capabilities.

ARDUINO UNO

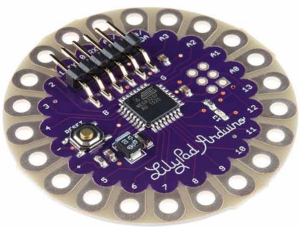
The Arduino Uno board is a microcontroller based on the ATmega328. It has 14 digital input/output pins in which 6 can be used as PWM outputs, a 16 MHz ceramic resonator, an ICSP header, a USB connection, 6 analog inputs, a power jack and a reset button.

ARDUINO MEGA



The Arduino Mega 2560 is a microcontroller board based on the ATmega2560. 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.

LILYPAD ARDUINO



The LilyPad Arduino is designed for e-textiles and wearables projects. It can be sewn to fabric and similarly mounted power supplies, sensors and actuators with conductive thread.

ARDUINO LEONARDO

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. The Leonardo differs from all preceding boards in that the ATmega32u4 has built-in USB communication, This allows the Leonardo to appear to a connected computer as a mouse and keyboard, in addition to a virtual (CDC) serial / COM port.

Life must continue. And continue towards perfection, through progress, evolution, through self-initiative. Impatience can not lead to do that. Frustration is its enemy.