



What Arduino can do

Arduino can sense the environment by receiving input from a variety of sensors and can affect its surroundings by controlling lights, motors, and other actuators. The microcontroller on the board is programmed using the Arduino programming language (<http://arduino.cc/en/Reference/HomePage>) (based on Wiring (<http://wiring.org.co/>)) and the Arduino development environment (based on Processing (<http://www.processing.org/>)). Arduino projects can be stand-alone or they can communicate with software running on a computer (e.g. Flash, Processing, MaxMSP).

The boards can be built by hand (<http://arduino.cc/en/Main/ArduinoBoardSerialSingleSided3>) or purchased (<http://store.arduino.cc/index.php>) preassembled; the software can be downloaded (<http://arduino.cc/en/Main/Software>) for free. The hardware reference designs (CAD files) are available under an open-source license, you are free to adapt them to your needs (<http://arduino.cc/en/Main/Policy>).

Arduino received an Honorary Mention in the Digital Communities section of the 2006 Ars Electronica Prix.

The Arduino founders are: Massimo Banzi (<http://www.massimobanzi.com/about/>), David Cuartielles (<http://www.blushingboy.org>), Tom Igoe (<http://tigoe.net/>), Gianluca Martino (<http://www.smartprojects.it>), and David Mellis (<http://dam.mellis.org/>).

Buy an Arduino Board

Buy an Arduino Board from the official Arduino store (<http://store.arduino.cc>) or from one of the authorized Arduino distributors (<http://arduino.cc/en/Main/Buy>) world wide.

Download the Arduino Software

The Arduino Software (<http://arduino.cc/en/Main/Software>) is free, open source, and available for Windows, Mac OS, and Linux.

Getting Started

Visit Getting Started (<http://arduino.cc/en/Guide/HomePage>) for specific instructions for your operating system and your board. If you're having trouble, check out the troubleshooting (<http://arduino.cc/en/Guide/Troubleshooting>) suggestions.

Support

Contact us (<http://arduino.cc/en/Main/ContactUs>) to get answers to your comments and questions. Make sure you select the right email address from the list of topics. The official Arduino multi-language forum (<http://www.arduino.cc/forum>) is the place to start with questions of all kinds.

Development

For information on the development of Arduino, see the Arduino project on GitHub (<https://github.com/arduino/Arduino>). Changes to the software are discussed on the developers mailing list (<https://groups.google.com/a/arduino.cc/forum/?fromgroups#!forum/developers>).

Call for Maker Faire Rome 2014



([http://www.makerfairerome.eu/call-for-](http://www.makerfairerome.eu/call-for-makers/)





[makers/](http://www.makerfairerome.eu/call-for-makers/))

Maker Faires (<http://makerfaire.com/>) all around the world showcase the amazing work of all kinds of makers—anyone who is embracing the do-it-yourself (or do-it-together) spirit—.

Participate to the Maker Faire Rome in October 2014, submit an entry (<http://www.makerfairerome.eu/call-for-makers/>) that tells us about yourself and your project by Sunday, May 25th.

Community

The community of Arduino enthusiasts is vast, and includes region specific groups and special interest groups. The community is an excellent further source of support on all topics such as accessory selection, project assistance, and ideas of all sorts. The Arduino Wiki (Playground) (<http://playground.arduino.cc/>) is a collection of Arduino knowledge, tutorials, and instructions provided directly by Arduino users. Check out the official Arduino multi-language forum (<http://forum.arduino.cc/>) and stay connected with the Arduino community:

-  on Twitter: @arduino (<http://www.twitter.com/arduino>)
-  on Google+: +Arduino (<https://plus.google.com/+Arduino>)
-  on Facebook: official.arduino (<http://www.facebook.com/official.arduino>)
-  on YouTube: arduinoteam (<http://youtube.com/arduinoteam>)

Blog

General announcements and thoughts from the Arduino team can be found in our blog (<http://www.arduino.cc/blog/>).

Pictures

You can find lots of pictures of Arduino projects and workshops in the Arduino tag on Flickr (<http://www.flickr.com/photos/tags/arduino/>). Related links can be found on the Arduino tag on del.icio.us (<http://del.icio.us/tag/arduino>).

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