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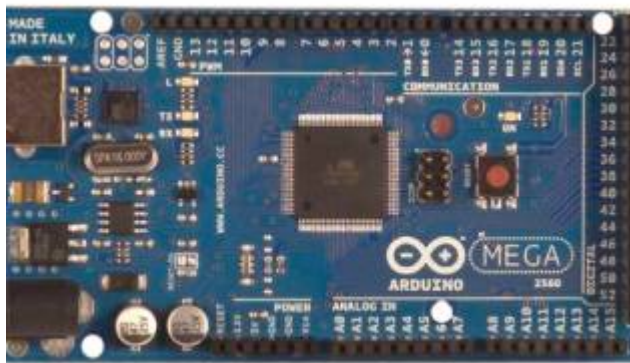
1. Home

<WRAP round tip 80%> **LibrEduc network**

- Portal: www.libreeduc.cc
- Blockly (education): blockly.libreeduc.cc
- Network blog: libreeduc.cc/blog
- [Network map](#) · [Forum](#)

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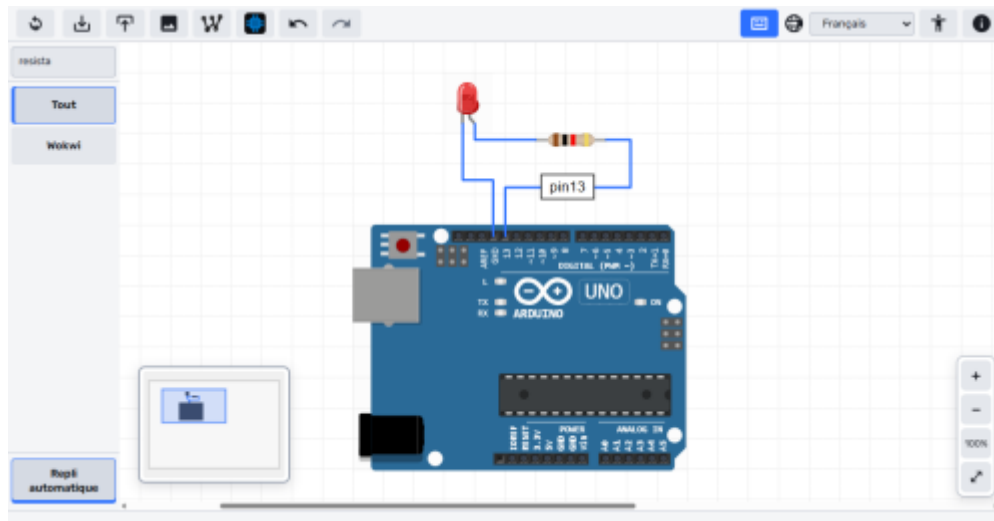
This wiki aims to share and pool **documentation / knowledge bases** around hardware such as Arduino boards and the Raspberry Pi (Rpi for short), and around visual programming tools such as [Scratch](#).



The whole wiki is under a Creative Commons licence. Its purpose is to answer practical questions, with **teaching use-cases** — *we are not doing technique for technique's sake* — to interface this hardware with the real world.

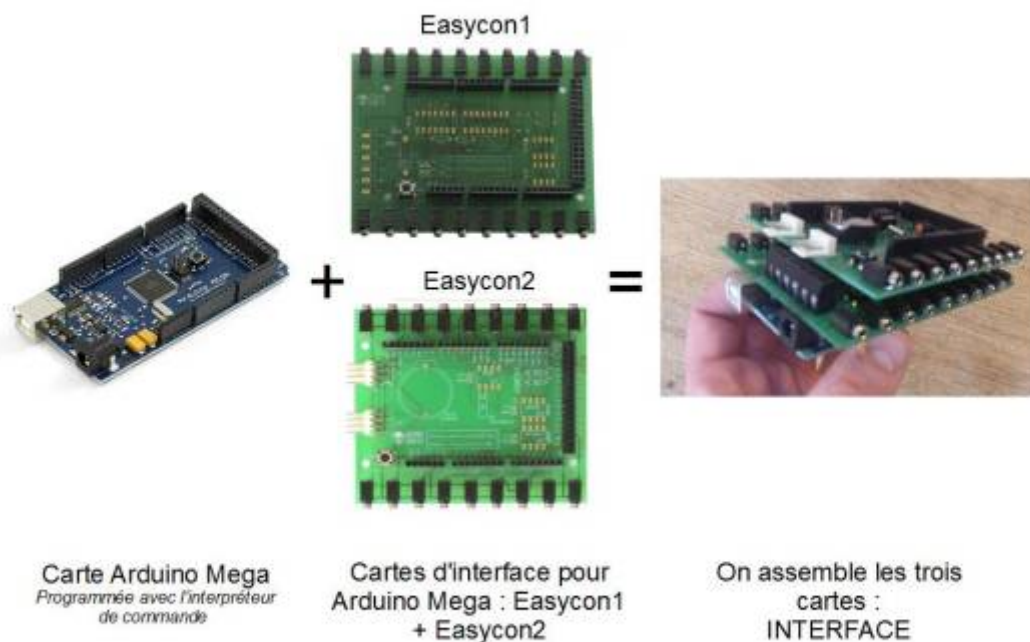
1.1. Arduino / education software

HackCable — electronic wiring editor (Arduino, ESP32, Fritzing catalog): components, wires, image / Wokwi / Velxio export. A-S-T-U-C-E fork under AGPL, usable alone or with [µBlockly](#).

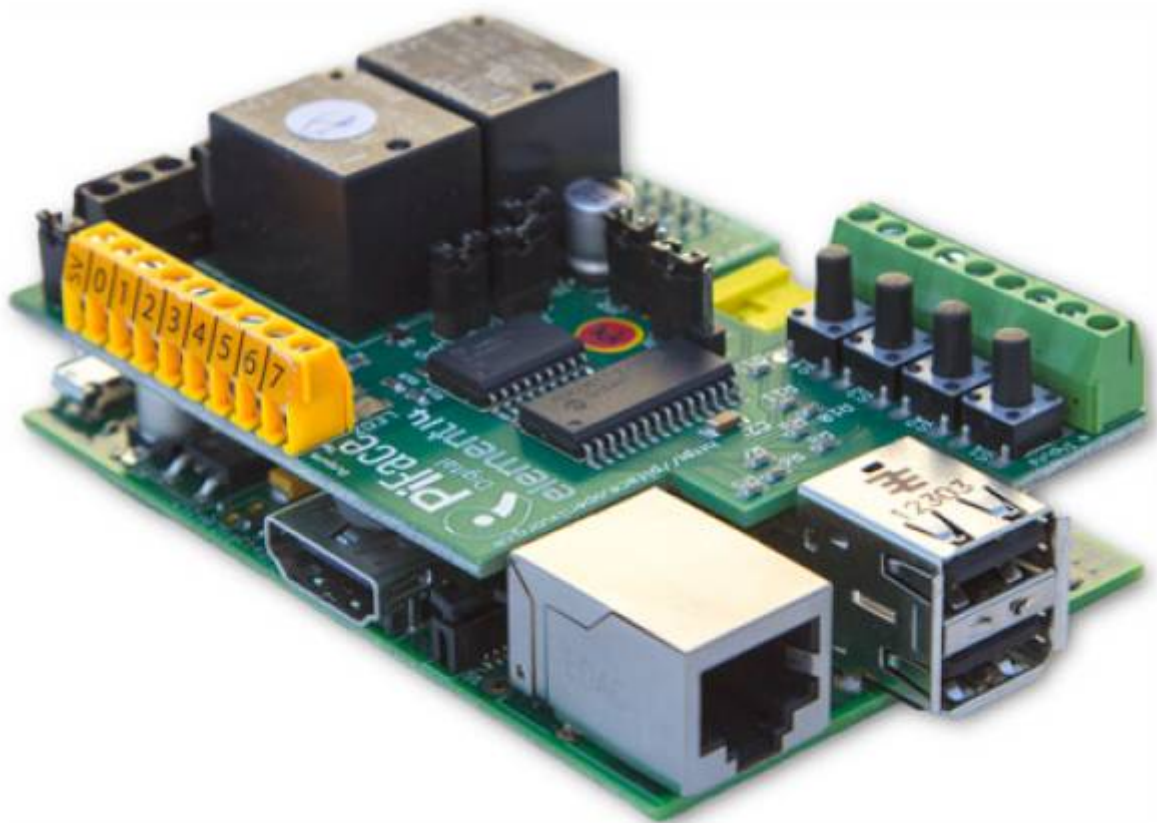


Here are a few boards that fit especially well:

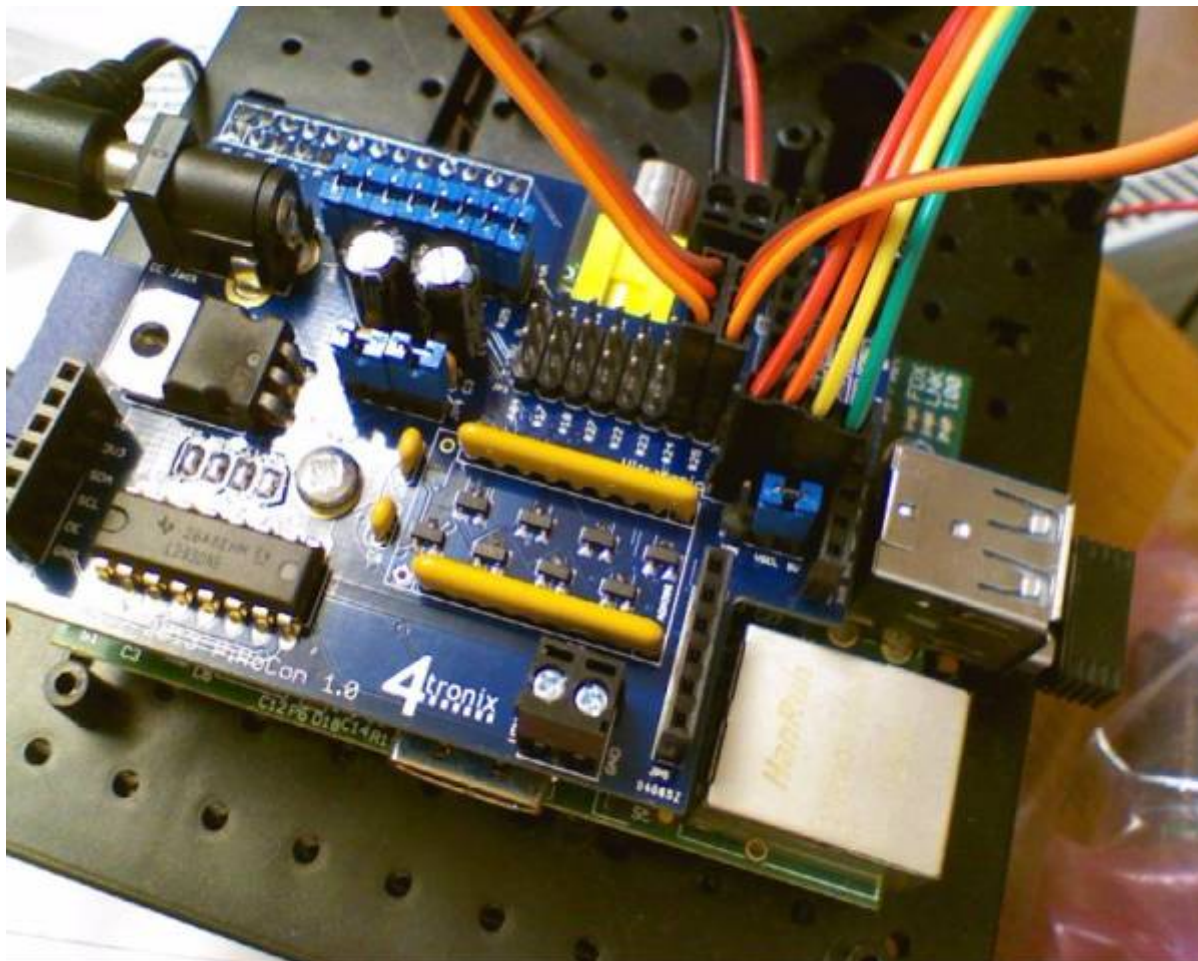
Easycon shield for Arduino — home automation and robotics for middle-school students



PiFace shield for Raspberry Pi — home automation (or basic robotics) from primary school



PiRoCon shield for Raspberry Pi — home automation and robotics from primary school



External links and ToDo list.

[Version française](#)

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