Fishino GUPPY

Fishino Guppy is a shrinked version of Fishino UNO; and is 100% compatible with Arduino Nano, of which it retains connectors shape and position.
Despite the small dimensions, it retains and even surpasses Fishino UNO's connectivity, adding 2 analog ports and providing a switching power supply which allows better efficiency, lower temperature and the ability to use a single cell LiPo battery to power it. Of the Fishino UNO board it misses just the RTC module, because of the small board space; the WiFi module and the microSD connector, which characterise the Fishino board series, are present :

Fishino Guppy

Power supply: :
- 5Volt from microUSB connector
- 5 Volt in +5V pin
- from 6.5 to 20 Volt on Vin input
- single cell, 3.7 Volt LiPo battery on bat connector

Digital levels :
- 5 Volt

Controller :
- 8 bit ATmega 328p-au SMD

Clock :
- 16 MHz

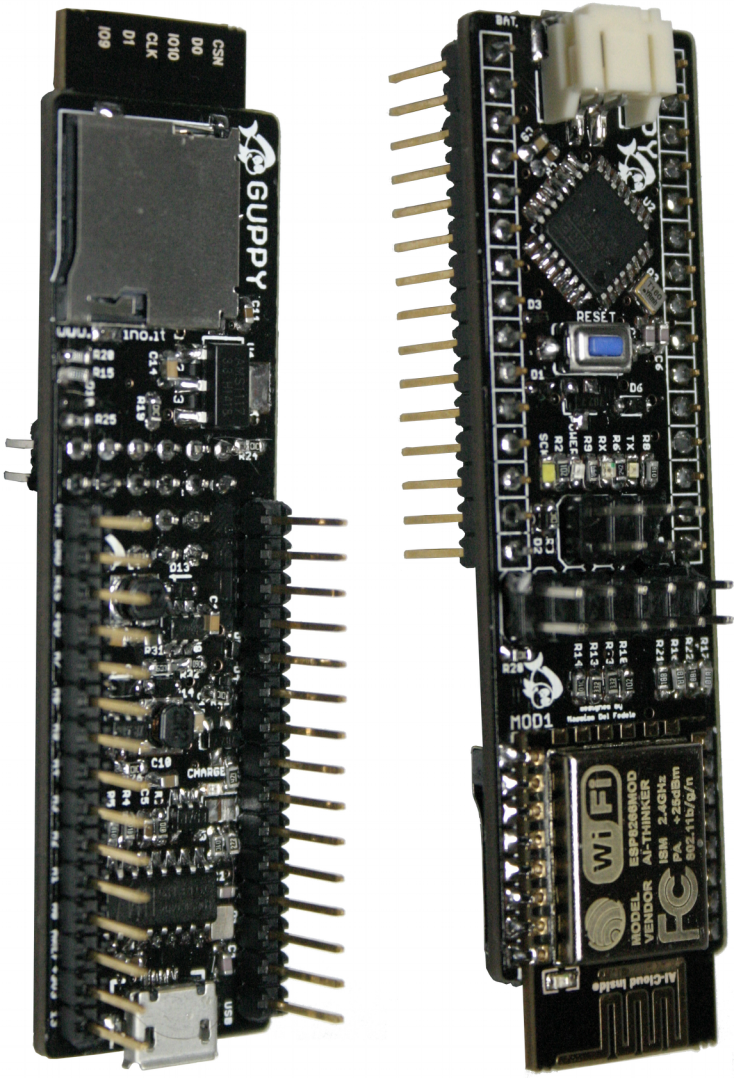
Memory :
- 32 KBytes Flash
- 2 KBytes RAM
- 1 KBytes EEPROM

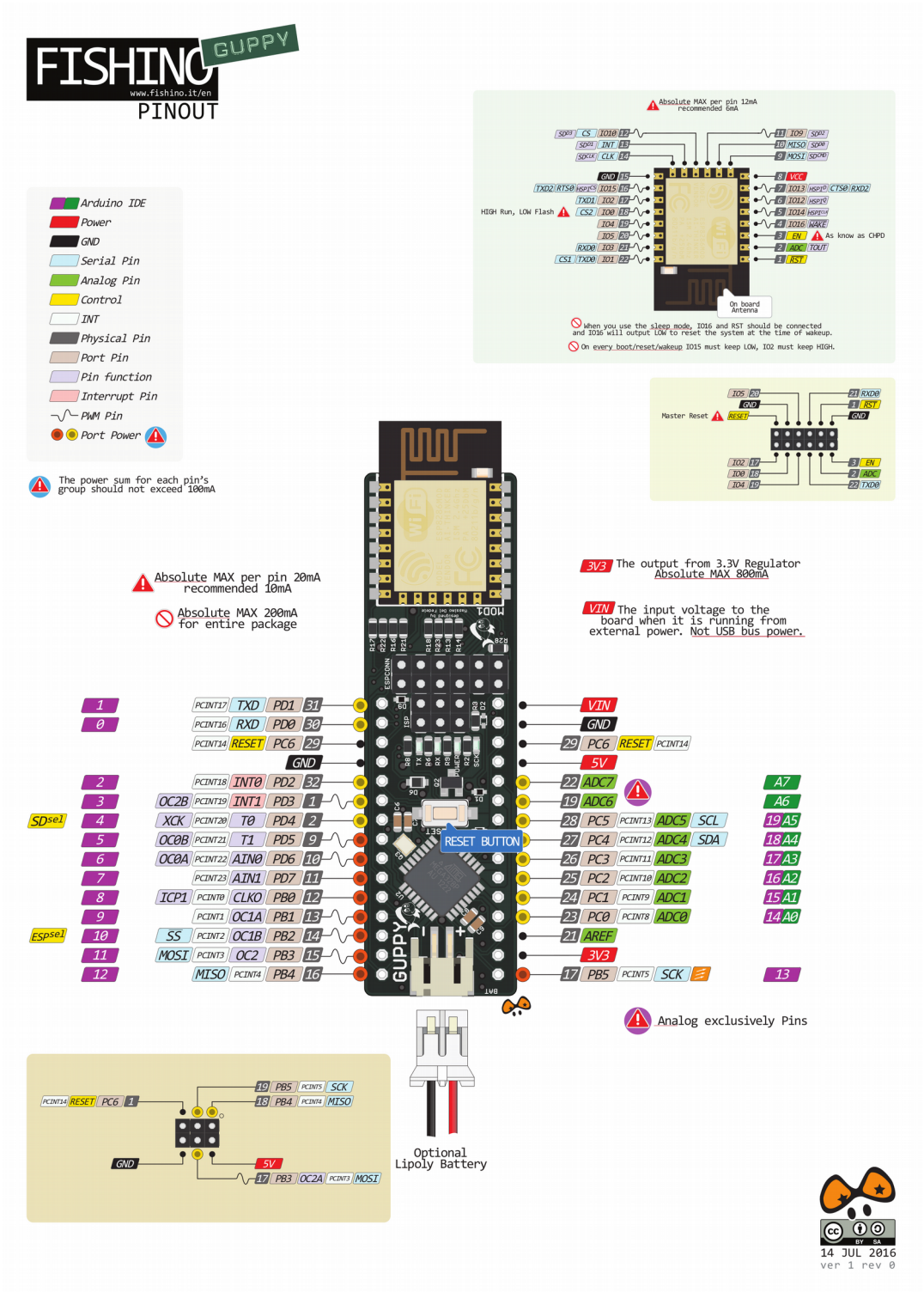
I/O ports :
- 14 digital ports of which 6 PWM enabled
- 8 analogic inputs
- 2-6 additional 3.3V digital I/O on WiFi module
- 1 additional serial port on WiFi module
- 1 additional analog input on WiFi module

Available interfaces :
- 1 x SPI
- 1 x I2C

Additional modules on board :
- WiFi
- microSD connector

Special features :
- Full switching power supplies
- Sketches can be uploaded by WiFi





Links :

Official website, with technical details, libraries, demo, apps and firmware updates:
www.fishino.com

Open-Electronics website with an overview of all Fishino boards family, technical details, articles and demos:
www.open-electronics.org/tag/fishino/