WebIOPi - The Raspberry Pi Internet of Things Framework

- Control, debug, and use your Pi's GPIO, sensors and converters from a web browser or any app
- WebIOPi is the perfect Swiss-knife to make connected things
- Developed and provided by Eric PTAK (trouch)
- Runs on Raspberry Pi (http://www.raspberrypi.org)

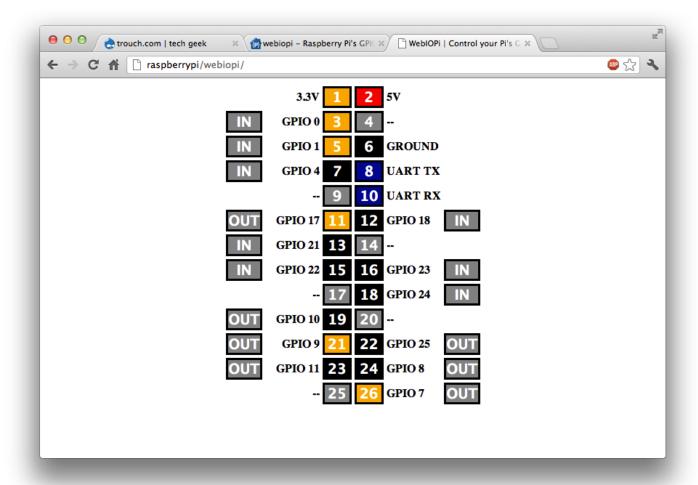


Features

- Bundled Weaved IoT Kit (http://www.weaved.com/in-action/weaved-iot-kit) to access your Pi
 over Internet with no hassle.
- Written in **Python**, with facilities to load and execute custom script, using a comprehensive structure with **setup and loop functions**
- Unified Serial/SPI/I2C support with a complete and consistent set of functions to control more than 30 devices (DEVICES.html), including most used analog converters (ANALOG.html), I/O expander (DIGITAL.html) and sensors (SENSOR.html)
- Javascript/HTML client library to make Web UI
- Python/Java clients, to make Pi-to-Pi systems or Android applications
- CoAP support brings the best Internet of Things protocol on the Pi, as a future proof of Pi possibilities
- Includes simple web apps, to debug GPIO, devices and Serial interface

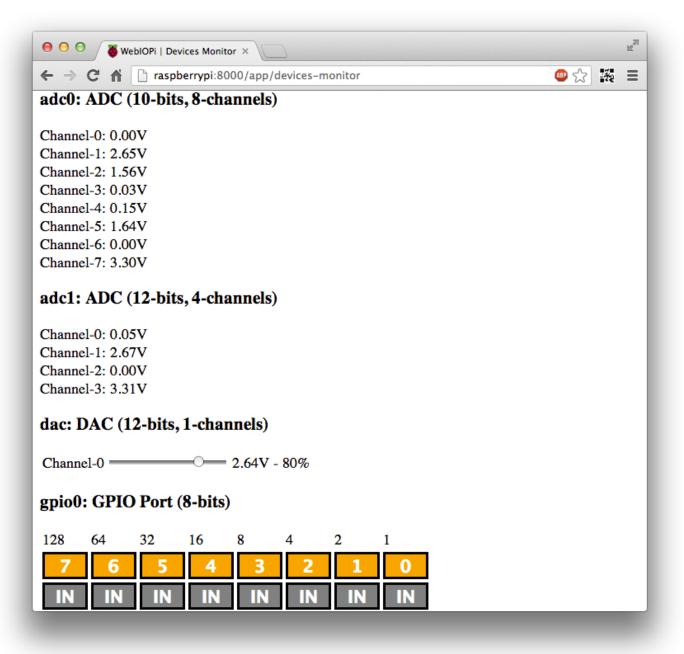
GPIO header web app

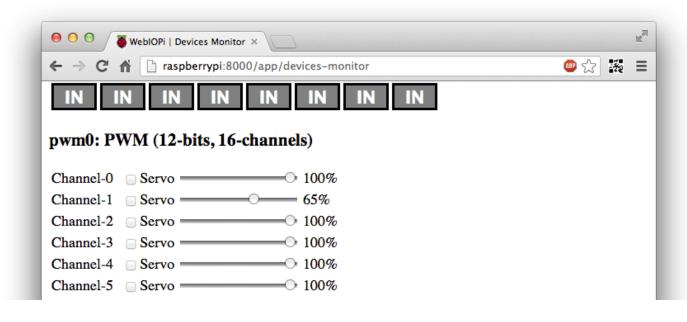
The GPIO header web application is included to quickly debug and controls GPIO.



Device monitor web app

The device monitor allows to debug and controls converters or sensors plugged in the GPIO/SPI/I2C...





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temp0: Temperature: 23.44°C

temp2: Temperature: 23.50°C