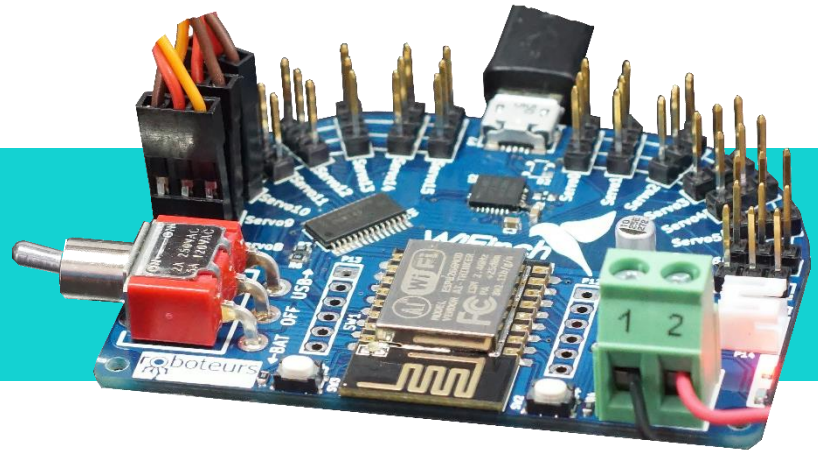# roboteurs

WiFinch

WiFinch: Wi-Fi Micro-Controller

The WiFinch board is our new Wi-Fi enabled micro-controller used for servo motor control. This controller can control up 16 servos with 12-bit PWM accuracy. The controller can be programmed over USB or over a WiFi network. The best part of this controller is how easy it is to get started and to program cool application. Check out the getting started guide to see how easy it is.

Don't let all the servo connectors fool you. This board can also be used as a general purpose Wi-Fi micro-controller. With extra digital IO and an analog input you can create all kinds of Internet-of-Things projects.

WiFinch Features

- Controls up to 16 servos with 12-bit PWM precision
- Easily programmable with Arduino or MicroPython
- Connects to computer or phone over Wi-Fi
- Connects to existing Wi-Fi network or makes its own
- Power from USB or battery pack
- Accepts 5 - 14V DC power
- 1 Analog input
- 8 Auxiliary digital inputs/outputs
- Reset and flash buttons

"Compact, efficient, and versatile"

USB Communication / Programmer

Servo 8-15

Servo 0-7

Power Select On/Off

Flash

Reset

Negative / GND

Positive 5 – 14V DC

Single Cell Lithium Ion

Power LED