Expansion Board 2.0

Introducing the Expansion Board 2.0, compatible with the WiPy 1.0, WiPy 2.0, LoPy and SiPy.

Create and connect your things everywhere. Fast.

### Expansion Board 2.0 Features

- USB and LiPo battery powered
- FT234XD USB to serial converter
- LiPo battery charger (BQ24040), with options for two different charging currents (100mA and 450mA)
- TPS2115A with reverse voltage protection
- MicroSD card slot
- Three female headers to easily plug in the WiPy 1.0, WiPy 2.0, LoPy, or SiPy
- JST style battery connector
- Power LED and charge status LED
- One user LED and one user switch
- Battery voltage monitoring via the WiPy ADC
- Lots of jumpers to enable/disable features

### Mechanical

**Size:** 65 x 50 x 8mm

- USB powered LED
- Charge indication LED
- LiPo battery connector
- User LED
- User push button
- MicroSD card socket
- Feature selection jumpers
- Micro USB connector for power and serial communication

With dozens of ready to use templates and libraries soon to be available on the Pycom Exchange, developing a new IoT solution is now easier and faster. Additional support for Blynk: SMTP, MQTT, URRLIB, ONEWIRE, Accelerometer, Event loop MicroPython together with the universal hardware API allow us to build a large set of powerful, robust, and portable libraries across hardware platforms.

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**Use the Pymakr IDE**

Super easy code editor to write your Python scripts.

**Quick Verification**

For easy and fast debugging use the interactive shell that is accessible through telnet or one of the serial ports.

**Easy Upload**

Upload your scripts, and any other files you want to the WiPy 1.0, WiPy 2.0, LoPy or SiPy via the FTP server

**Locally or remotely**

Reset the microcontroller (you can do it locally, or remotely via Telnet)