![pycom®]

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

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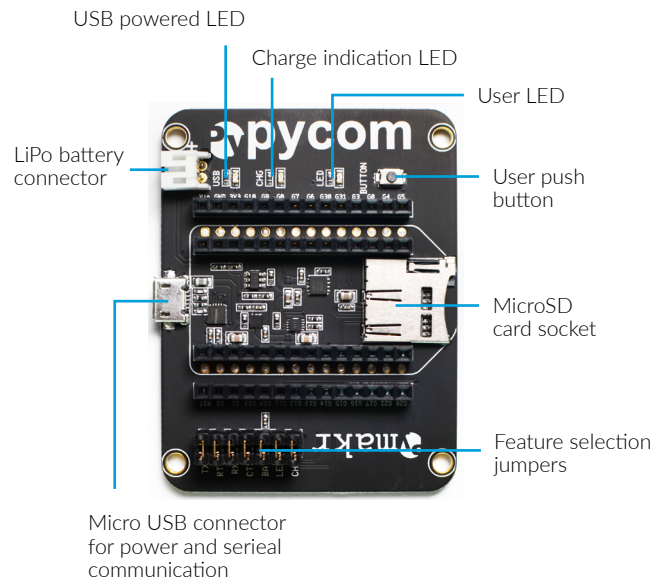
Easy Upload
Upload your scripts, and any other files you want to the WiPy 1.0, WiPy 2.0, LoPy or SiPy via the FTP server

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

Mechanical
Size: 65 x 50 x 8mm

USB powered LED

Charge indication LED

User LED

LiPo battery connector

User push button

MicroSD card socket

Feature selection jumpers

Micro USB connector for power and serieal 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, URLLIB, 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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