



WiPy 2.0

SKU 109110002     

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Description

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Questions and Answers

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Description

WiPy 2.0, The tiny Micro Python enabled WiFi & Bluetooth IoT development platform. With a 1KM WiFi range, state of the art Espressif ESP32 chipset and dual processor, the WiPy is all about taking the Internet of Things to the next level.

Features

- Powerful CPU, BLE and state of the art WiFi radio
- 1KM Wi Range
- MicroPython enabled, the Linux of IoT for fast deployment
- Fits in a standard breadboard (with headers)
- Ultra-low power usage: a fraction compared to other connected micro controllers
- Hardware floating point acceleration
- Python multi-threading

Specification

Processing

- Espressif ESP32 chipset
- Dual processor + WiFi radio System on Chip.
- Network processor handles the WiFi connectivity and the IPv6 stack.
- Main processor is entirely free to run the user application.
- An extra ULP-coprocessor that can monitor GPIOs, the ADC channels and control most of the internal peripherals during deep-sleep mode while only consuming 25uA.

Interfaces

- 2 x UART, 2 x SPI, I2C, I2S, micro SD card
- Analog channels: 8x12 bit ADCs
- Timers: 4x16 bit with PWM and input capture
- DMA on all peripherals
- GPIO: Up to 24

Security and Certifications

- SSL/TLS support
- WPA Enterprise security
- FCC – 2AJMTWIPY2R
- CE 0700

Memory

- RAM: 512KB
- External flash 4MB
- Hardware floating point acceleration
- Python multi-threading

Hash / encryption

- SHA, MD5, DES, AES

Wifi

- 802.11b/g/n 16 mbps

Bluetooth

- Low energy and classic

RTC

- Running at 32KHz

Power

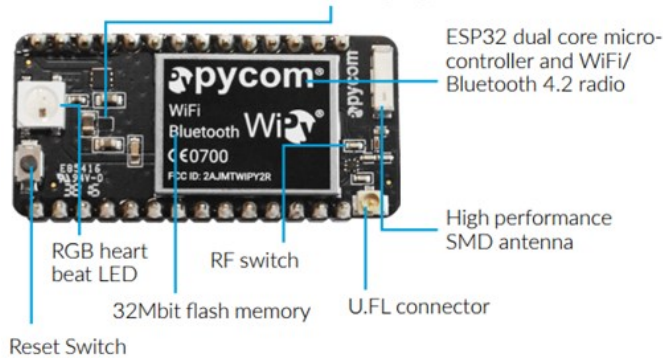
- Input: 3.3V - 5.5V

Mechanical

Size: 42mm x 20mm x 3.5mm (excluding headers)

Operating temperature:
-40 to 85 degrees celsius

3V3 ultra low noise
switching regulator



Part List

1 x WiPy 2.0

Documents

Pycom [Github](#)

Documents [download](#)

[Frequently asked questions](#)

Best-sellers



Technical Details

Weight	G.W 29.5g
Battery	Exclude

Questions and Answers

Have a question about this? Ask people who own it.



View History



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