

Assembled Pycom WiPy 3.0 with Headers

4815

Product Overview

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Description

The Assembled Pycom WiPy 3.0 with Headers is a tiny MicroPython-enabled WiFi® and BLUETOOTH® IoT development platform. The WiPy has a 1KM WiFi range, state of an art Espressif ESP32 chipset, and a dual processor. The board comes pre-soldered and includes a big 4MB RAM upgrade and 8MB FLASH.

Other WiFi boards are available with all Pycom boards running Python and that works just like the Python that is used to working on a PC.



Features

- Powerful CPU, BLE, and state-of-the-art WiFi radio
- 1KM WiFi range
- MicroPython enabled, the Linux of IoT for fast deployment
- Fits in a standard breadboard (with headers)
- 42mm x 20mm x 2.5mm (excluding headers)
- Interfaces:
 - 2 x UART, 2 x sPI, I²C, I²S, and micro SD card
 - 8_12 bit ADCs analog channels
 - Timers - 4_16 bit with PWM and input capture
 - DMA on all peripherals
 - Up to 24 GPIO
- Ultra-low power usage: a fraction compared to other connected microcontrollers
- Hardware floating-point acceleration
- Python multi-threading

Specifications

- 3.3V to 5.5V voltage range
- 3.3V output voltage capable of sourcing up to 550mA
- RTC running at 32KHz

Mouser Part Number

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