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SparkFun Thing Plus - ESP32 WROOM (U.FL)

À LA CARTE

★ ★ ★ ☆ 10

\$22.50 Volume sales pricing

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DESCRIPTION **FEATURES** DOCUMENTS

Espressif IoT ideations while still enjoying all the amenities of the original ESP32 Thing. Espressif's ESP32 WROOM is a powerful WiFi and Bluetooth MCU module that targets a wide variety of applications. At the core of this module is the ESP32-D0WDQ6 chip which is designed to be both scalable and adaptive. To make the Thing Plus even easier to use, we've moved a few pins around to make the board Feather compatible and it utilizes our handy Qwiic Connect System which means no soldering or shields are required to connect it to the rest of your system! Why the name? We lovingly call it the "Thing" because it's the perfect foundation

The SparkFun ESP32 Thing Plus with U.FL is the next step to get started with

any microcontroller. You can even program the Thing through the Arduino IDE by installing the updated ESP32 Arduino Core. The ESP32 Thing plus integrates a rich set of peripherals, ranging from capacitive touch sensors, SD card interface, Ethernet, high-speed SPI, UART, I2S and I²C. Thanks to the onboard ESP32 WROOM module, the SparkFun Thing Plus features 16MB of flash memory, 520kB of internal SRAM, an integrated

for your Internet of Things project. The Thing does everything from turning on an LED to posting data with your chosen platform, and can be programmed just like

802.11 BGN WiFi transceiver and dual-mode Bluetooth capabilities, a JST connector to plug in a LiPo battery, and a U.FL connector for your own antenna. The SparkFun Qwiic Connect System is an ecosystem of I²C sensors, actuators, shields and cables that make prototyping faster and less prone to error. All Qwiicenabled boards use a common 1mm pitch, 4-pin JST connector. This reduces the

it up wrong. GET STARTED WITH THE SPARKFUN ESP32 THING PLUS HOOKUP GUIDE

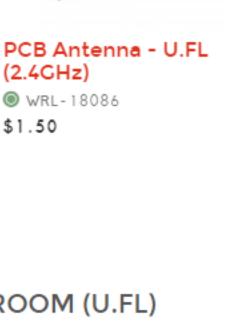
amount of required PCB space, and polarized connections mean you can't hook

QWIIC QWIIC CONNECTED DEV BOARDS SPARKFUN ORIGINAL SPI THING

THING PLUS U.FL WIFI WIFI DEV BOARDS WIRELESS WROOM

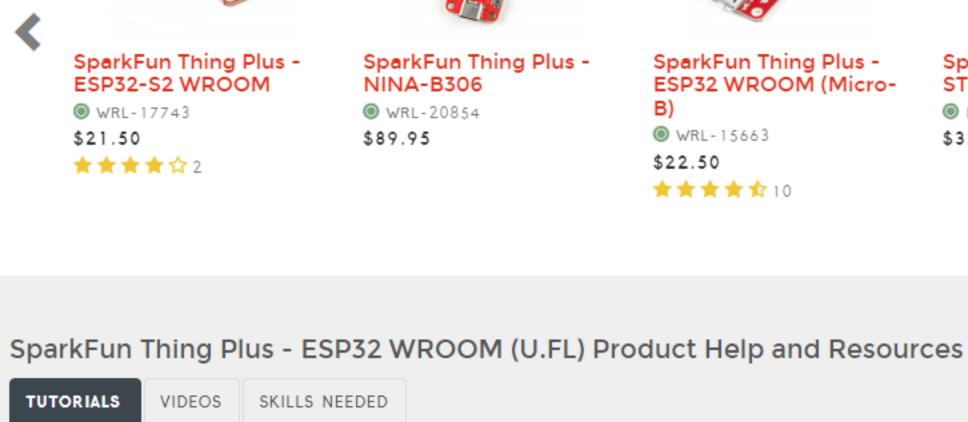




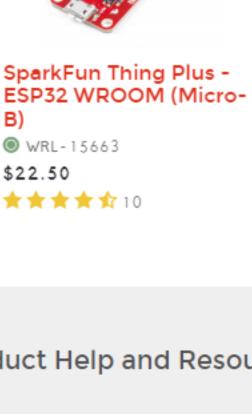


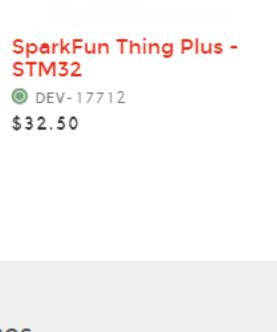


PAGE 1 OF 11



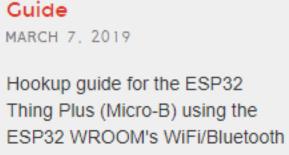




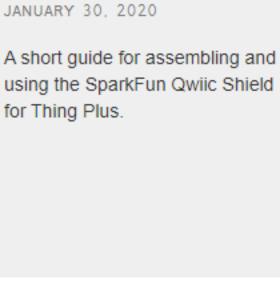


SparkFun Qwiic Shield for ESP32 Thing Plus Hookup

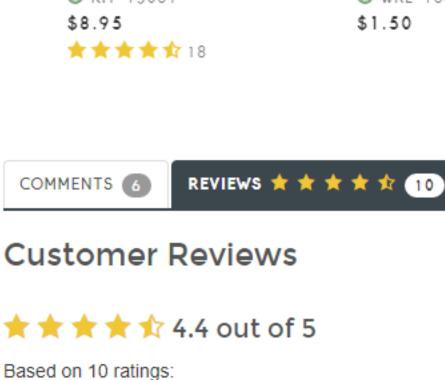
Thing Plus Hookup Guide







PCB Antenna - U.FL





(2.4GHz)

\$1.50

WRL-18086



SparkFun GPS-RTK-

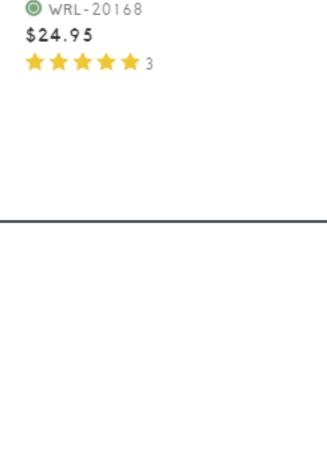
F9P (Qwiic)

GPS-16481

★★★★ 13

\$274.95

SMA Breakout - ZED-



SparkFun Thing Plus -

ESP32 WROOM (USB-C)

PAGE 1 OF 25

2 star 1 star Currently viewing all customer reviews.

5 star

4 star

3 star



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about 2 years ago by joe-c ✓ verified purchaser
Faster & cheaper than Arduino but can be programmed in the Arduino environment. It has built in WiFi,
Bluetooth and battery management.
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about 2 years ago by Member #155642 ✓ verified purchaser

The external antenna reliably extends the range to my WiFi access point.

The external antenna reliably extends the range to my WiFi access point.

The external antenna reliably extends the range to my WiFi access point.

★ ★ ★ ★ Works as advertised

★ ★ ★ ★ Good product

longer-range, unidirectional WiFi.

catch up with my intended use.

★ ★ ★ ★ Good product

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about 2 years ago by Member #454307 ✓ verified purchaser
The SparkFun thing plus is one of most amazing processors that I have ever used. It is relatively fast and has
both WiFi and BLE capability in one package. I have also used its deep sleep mode to save the need for either a
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about a year ago by Member #1514622 ✓ verified purchaser Pretty darn tutin awesome board. Would love to see two things though, examples for Bluetooth classic / audio profiles such as HFP and A2DP. There's great tutorials for classic serial connections and near field stuff, but honestly, I don't use any of the low energy. I'd also LOVE to see a breakout for JTAG / inline debugger such as ESP-Prog. Would be even MORE awesome

have a hard time figuring out what exactly is going on. The BLE library is an example.

🜟 🚖 🚖 🈭 Good product, uncertain how to use it with other boards about 11 months ago by Member #1747630 ✓ verified purchaser I purchased this board for the processing speed of its chip and the availability of U.FL. With the current state of

the industry struggling to get chips delivered this board is certainly a winner, particularly for my situation requiring

The issue I face is that as a newbie I lack experience using this board with other Arduino boards. I finally realized

that to use this board, the Thing Plus - ESP32 WROOM (U.FL) with other boards requires building a breadboard

solution. Different pin layouts can be confusing and circuit design beyond the most basic can be problematic.

My verdict: the Thing Plus - ESP32 WROOM (U.FL) is excellent for my situation but my knowledge needs to

about 6 months ago by Member #1756667 ✓ verified purchaser I bought a couple of 32E's and they work fine. Then I bought the 32UE and the sketches I used on the 32E don't work on the 32UE. I also can't find the board or library for the 32UE in PlatformIO.

★ ★ ☆ ☆ ☆ ESP32-WROOM-32UE

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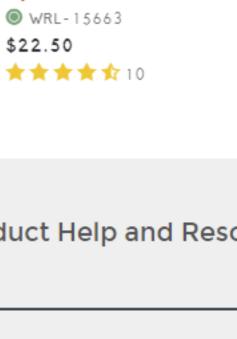
Tags

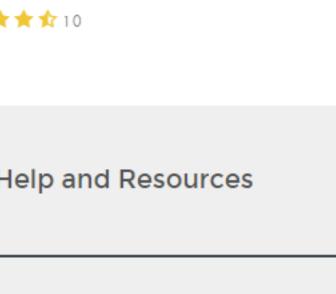
AGTECH BLUETOOTH ESP32 ESP32 WROOM ESPRESSIF FEATHER

Hookup Accessories for SparkFun Thing Plus - ESP32 WROOM (U.FL) PAGE 1 OF 29

Similar Items for SparkFun Thing Plus - ESP32 WROOM (U.FL)







system-on-chip in Arduino.







6



★ ★ ★ ★ Good product about 2 years ago by Member #155642

✓ verified purchaser

★★★★ ESP32 processor

about 2 years ago by Member #155642 ✓ verified purchaser

★★★★☆ Breakout for ESP-Prog Inline debugger

would be unstoppable. I'd build most everything with this board then.

Cannot complain though! Really sweet little board.

if there was a ESP-Prog JTAG to serial w/ second USB port to do inline debugging right on the chipset. That

relay or a switch. My experience with programing the processor is that the Arduino interface is okay, the C++ is

complicated, and the python assembler is limited. I presently use the Arduino because there are many libraries that allow one to build prototypes quickly. My problem is that they are black boxes and when I get into trouble I

★ ★ ★ ☆ Awsome board about 9 months ago by Member #87159 ✓ verified purchaser

It is very easy to setup a web page/server on this device. Other things are easy to setup to like free rtos, adc,

and not limited to IO. Just be careful if your using the ADC2 that your not using wifi at the same time.

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