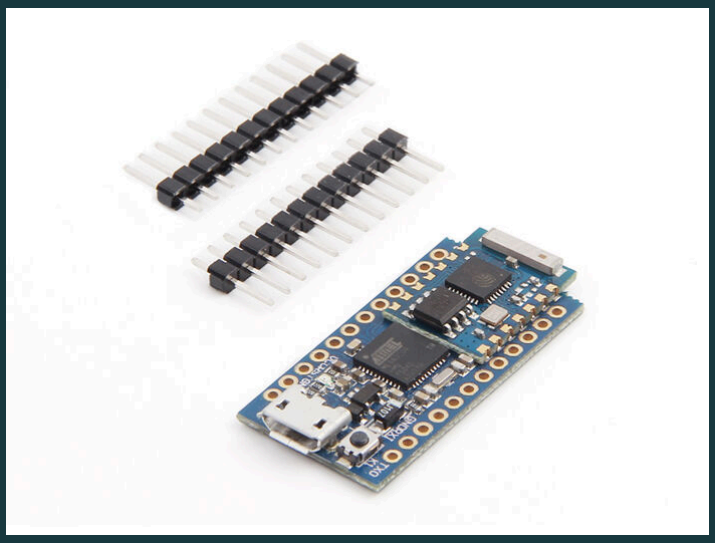
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INDUSTRIAL PRODUCT DATASHEET

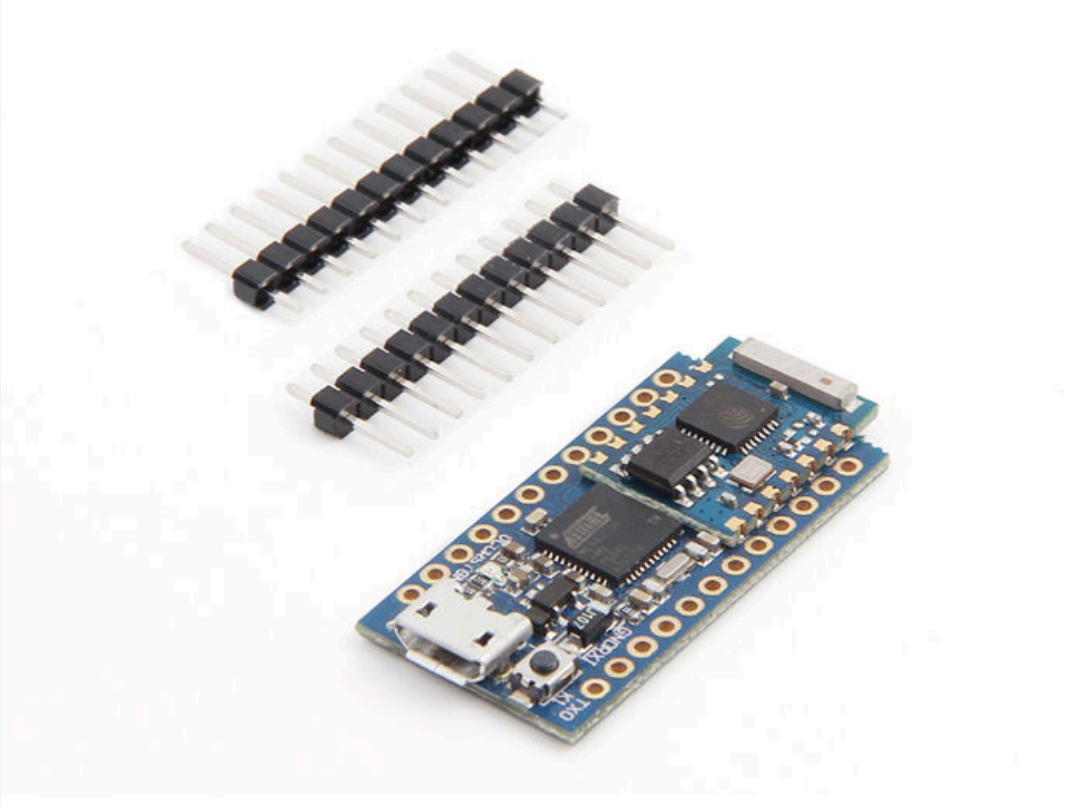
Cactus Micro Rev2 Arduino compatible plus esp8266

Cactus Micro Rev2: Tiny Arduino-compatible board with built-in ESP8266 Wi-Fi for quick IoT development.

SKU	UPDATED	PRICE
317060018	2026-02-28 12:25:19	$11.00(Excl. VAT)



Overview



The Cactus Micro Rev2 is an Arduino-compatible development board integrating an ATmega32U4 microcontroller with an ESP8266 (ESP-03) WiFi module, designed for low-power IoT projects. It operates at 3.3V/8MHz, features a micro-USB connector, 4 analog input pins, 12 digital I/Os (5 PWM), and communicates with the ESP8266 via hardware Serial1.

Key Features

Cactus Micro is our integrated developement board, we have mixed Arduino with WI-FI into a single board. It is targeted for makers to develop low power Internet-Of-Things (IoT) projects quickly and easily.
The revision 2 use hardware serial port Serial1 as default option. It also Added some jumpers for connect esp8266 GPIO. For some usage such as I2C.

What makes it special?
Cactus Micro is tiny size Arduino compatible dev board. It's built-in a esp8266 module (esp-03).

Features：

- Built-in ESP8266 WIFI module
- ATmega32U4 running at 3.3V/8MHz
- Supported under Arduino IDE 1.0.6
- On-Board micro-USB connector for programming
- 4 x 10-bit ADC pins
- 12 x Digital I/Os (5 are PWM capable)
- Rx and Tx Hardware Serial Connections

Getting Started
Open Arduino IDE and choose board "LilyPad USB" to start playing with your Cactus Micro in just a few easy steps.

How it works

- The ESP8266 chip communicates with ATMega32U4 through the hardware serial port Serial1.
- The pin 13 is connected to pin CH_PD of ESP8266. Put the pin 13 high to enable ESP8266 chip.

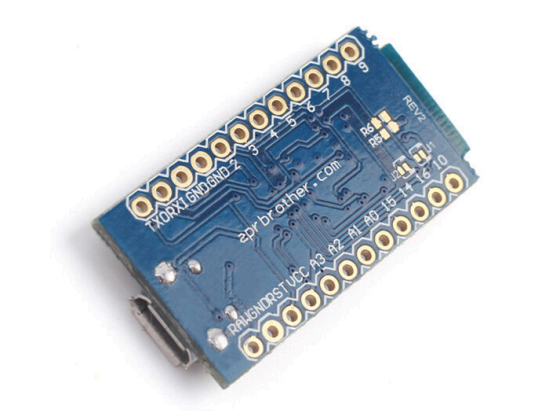
Part List:

- 1 xCactus Micro
- 1x ESP8266 module (ESP-03)

- 1x Male headers (Not soldering)

Product Gallery





Part List

Cactus Micro Rev2 Arduino compatible plus esp8266	1

Compliance & Logistics

HSCODE	8517709000
USHSCODE	8517710000
UPC	841454118312
COO	CHINA

Resource Links

- https://www.seeedstudio.com/Cactus-Micro-Rev2-Arduino-compatible-plus-esp8266-p-2544.html

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