



M5StickC+ Development Kit with Hat

SKU: K016-F

Noted: Stick C ETD on Oct.10, thanks for the understanding.

M5Stick-C is a mini M5Stack, powered by ESP32. It is a portable, easy-to-use, open source, IoT development board.

What it can do? This tiny block is able to realize your idea, enlighten your creativity, and help with your IoT prototyping in a very short time. It will take away a lot of the pains from the development process.

M5stickC is one of the core devices in M5Stack product series which is built in a continues growing hardware & software ecosystem. It has a lot of compatible modules & units, as well as the open source code & engineering community that will help you maximum your benefit in every step of the developing process.

Power switch operation :

- Power on : Long press power button for 2 seconds
- Power on : Short press power button for 6 seconds

Notice:

- Baudrate supported by M5StickC: 1200 ~115200, 250K, 500K, 750K, 1500K
- Only Orange type is available for now
- If you find out your M5StickC couldn't power on without a USB in, it might be because the battery entered the battery protection mode, caused by low-voltage, over-charged, over-heat ... To exit the battery protection mode, please keep charging the battery for around 40 mins. Our team is working on the solution.

Product Features

- 5V DC power supply
- USB Type-C
- ESP32-based
- 4 MByte Flash
- 6-Axis IMU MPU6886
- Red LED
- IR transmitter
- Microphone
- 2 Buttons, LCD(0.96 inch), 1 Reset
- 2.4G Antenna: Proant 440
- 80 mAh Lipo Battery
- Extendable Socket
- Grove Port
- Wearable & Wall mounted
- Development Platform UIFlow, MicroPython, Arduino

ESP32 Features

- 240 MHz dual core Tensilica LX6 microcontroller with 600 DMIPS
- Integrated 520 KB SRAM
- Integrated 802.11b/g/n HT40 Wi-Fi transceiver, baseband, stack and LWIP
- Integrated dual mode Bluetooth (classic and BLE)
- Hall sensor
- 10x capacitive touch interface

- 32 kHz crystal oscillator
- PWM/timer input/output available on every GPIO pin
- SDIO master/slave 50MHz
- SD-card interface support

HAT-ENV



HAT-SPK



T&H
 DHT12
PRESSURE
 BMP280
GEOMAGNETIC
SENSOR
 BMM150

D CLASS
 PAM8303

Kit with 2 hat:

Hat ENV It is able to detect the temperature, humidity, air pressure and magnetic field. This product relates via I2C protocol which allows you to obtain 4 types of environment data thru just 2pins, together with the tiny body, makes it a powerful application for environment data collecting.

Hat SPK is an M5StickC compatible speaker, integrated PAM8303 amplifier (3w single channel type D power amplifier), High PSRR and differential inputs eliminate noise and rf interference, thus it has the characteristics of simple functions and high audio reproduction.



<https://m5stack.com/products/m5stickc-development-kit-with-hat/10-2-19>