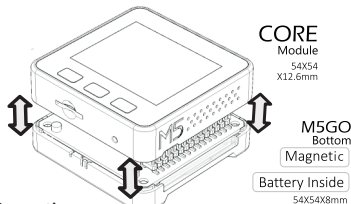


M5GO IOT STARTER KIT

- M5CORE with ESP32-Microcontroller, Wifi and Bluetooth
- 5.08 cm (2") LCD, 1W speaker, microSD slot, I2C port, 3D antenna
- 600 mAh battery, LED Bar, MIC, LEGO compatible
- Includes 6 sensors and extensions



ESP32 Wi-Fi BLE FLASH 9DOF 3D-Antenna
 5.08 cm (2") LCD 320x240 TYPE-C USB SD-Reader
 1W Speaker MEMS MIC RGB LED x 10 3 Buttons
 600mAh Battery GROVE I2C GROVE I/O GROVE UART
 MicroPython BRICK Compatible Arduino Compatible



Operation

- single press **POWER ON** when using battery. and **RESET**.
- double press **POWER OFF** when using battery.

TYPE C Power Supply Charge UART/Upload

GROVE PH2.0-4 SCL SDA 5V GND

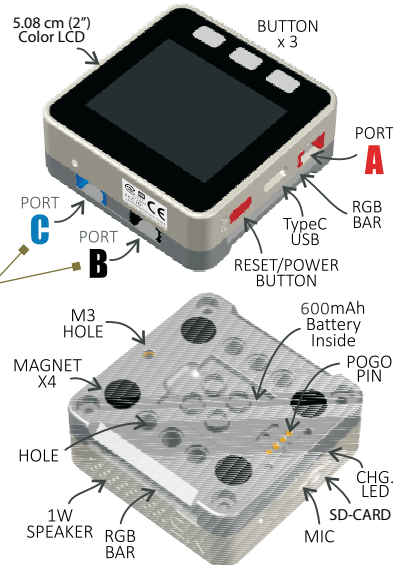
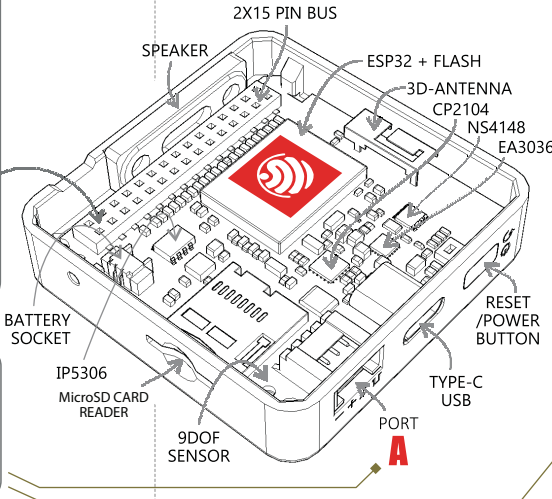
MicroSD Card (SD-Card) ≤16GB

M BUS

GND	ADC	G35
GND	ADC	G36
GND	RST	EN
G23	MOSI	DAC/SPKG25
G19	MISO	DAC G26
G18	SCK	3.3V
G3	RXD0	TXD0 G1
G16	RXD2	TXD2 G17
G21	SDA	SCL G22
G2	GPIO	GPIO G5
G12	IIS_SK	IIS_WS G13
G15	IISOUT	IIS_MK G0
HPWR	IIS_IN	G34
HPWR	5V	
HPWR	BATTERY	

GROVE PORT	CABLE
A I2C	GND 5V SDA SCL
B I/O	GND 5V G26 G36 In/Out Input
C UART	GND 5V TXD RXD

Internal View



Item no. 1888213

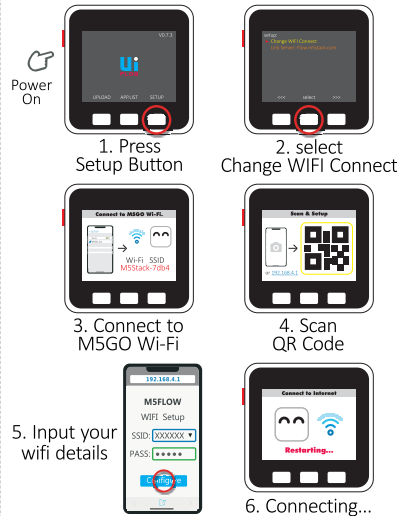


<https://www.conrad.de/>

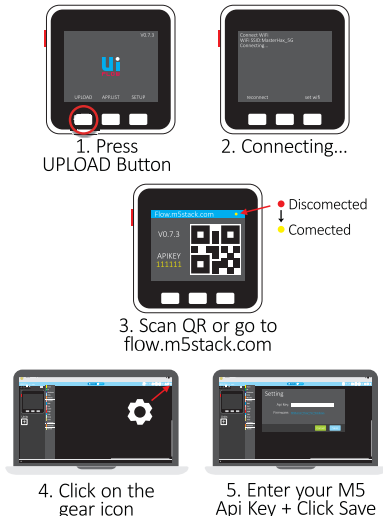


<https://docs.makerfactory.io/>

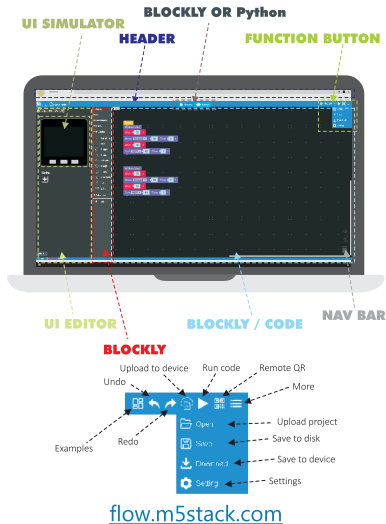
Connect WiFi



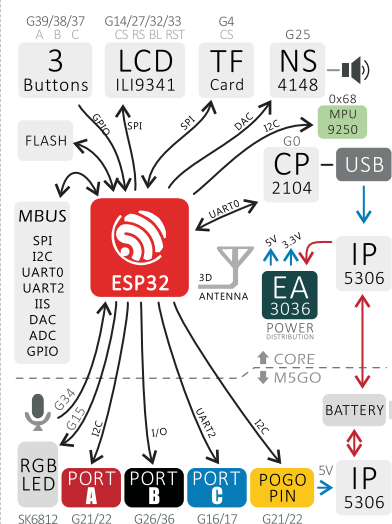
Configuring UIFLOW



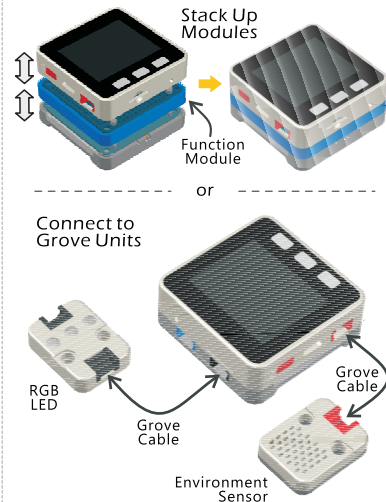
UI FLOW



Schematic



Extension



Specifications

Model	M5GO
ESP32	240 MHz dual core Tensilica LX6 microcontroller with 600 DMIPS, Integrated 520 KB SRAM, Integrated 802.11 b/g/n HT40 Wi-Fi transceiver, baseband, stack and LWIP, Integrated dual mode Bluetooth.
Flash	16M-Byte
Input	5V @ 500mA
Interface	TypeC x 1, GROVE(I2C+I/O+UART) , Pogo Pin x 1
LCD	5.08 cm (2") LCD 320x240, color TFT LCD, ILI9342
Speaker	1W-0928
Mic	MEMS Analog BSE3729 Microphone
LED	SK6812 3535 RGB LED x 10
9DOF	MPU9250
Battery	600mAh@3.7V, inside.
Op.Temp.	32°F to 104°F (0°C to 40°C)
Size	54 x 54 x 21 mm
C.A.S.E	Plastic (PC)
Weight	56g