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

MAKER FACTORY

M5STACK

ESP32 | Wi-Fi | BLE | FLASH | 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

M BUS

GND		ADC	G35
GND		ADC	G36
GND		RST	EN
G23	MOSI	DAC/SPK	G25
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 In/Out	G36 Input
C	UART	GND	5V	TXD	RXD

Internal View

MAKER FACTORY

Item no. 2179958

https://www.conrad.de/

https://docs.makerfactory.io/

Connect WiFi

1. Press Setup Button

2. select Change WIFI Connect

3. Connect to M5GO Wi-Fi

4. Scan QR Code

5. Input your wifi details

6. Connecting...

Configuring UIFLOW

1. Press UPLOAD Button

2. Connecting...

3. Scan QR or go to flow.m5stack.com

4. Click on the gear icon

5. Enter your M5 Api Key + Click Save

UI FLOW

flow.m5stack.com

Schematic

Extension

or

Connect to Grove Units

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, ILI19342**
Speaker	1W-0928
Mic	MEMS Analog BSE3729 Microphone
LED	SK6812 3535 RGB LED x 10
Sensor	MPU6886 BMM150
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