FINGER HAT

SKU:U074

Description

FINGER Hat comes with "FPC1020SC" fingerprint sensor inside. This all-in-one fingerprint sensor makes adding, verification and management of fingerprints super easy. Compact size, serial protocol and 'ultra-low power consumption'- all make this M5 Unit very attractive to be used along with the M5StickC. It performs fast fingerprint matching with the highest security level at the most optimal user convenience. The M5 Unit can be programmed to set customized fingerprint recognition comparison levels and security levels. if you ever consider to make your project more secure with biometrics, don’ t forget to include this M5 Unit: "FINGER HAT".

UART settings:

- Baudrate: 19200bps(default)
- 1 Start bit
- 1 Stop bit
- No parity

Product Features

- Fingerprint: 150
- Capacitive area array semiconductor fingerprint sensor
- The sensor has a pixel quality of 256 gray levels per pixel
- 1:N recognition and 1:1 verification
- Support finger 360 Rotate recognition
- Security level that can be adjusted appropriately 0-9, default level 5
- Output format: User name、finger image、feature value
- Characteristic value size: 193 Bytes
- Communication Interface: UART
- Supported Baudrate: 9600bps-115200bps（Default:19200bps）
- Operating temperature: -10°C - 60°C
- Operating humidity: 20% - 80%

Include

- 1x FINGER HAT

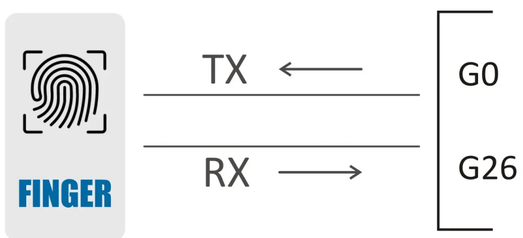
Applications

- Fingerprint Attendance Machine
- Passwordless authentication
- User identification

Specification

Resources	Parameter
Net weight	14g
Gross weight	26g
Product Size	24*65*20mm
Package Size	75*46*29mm

Schematic



EasyLoader

download EasyLoader

> **EasyLoader is a simple and fast program burner. Every product page in EasyLoader provides a product-related case program. It can be burned to the M5 device through simple steps, and a series of function verification can be performed.**

- After downloading the software, double-click to run the application, connect the M5 device to the computer through the data cable, select the port parameters, click **"Burn"** to burn the program (**For M5StickC, set the baud rate to 750000 or 115200**)

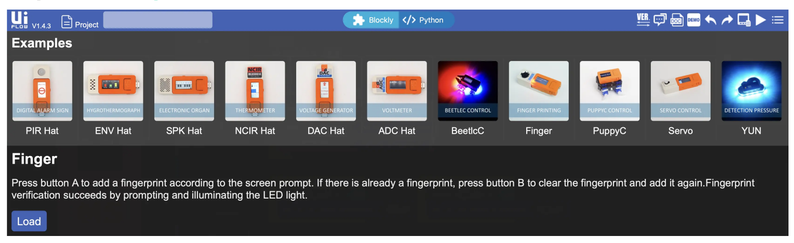
Example

1. Arduino

- Click here to download the Arduino example

2. UIFlow

Open http://flow.m5stack.com and Load Demo



Related Link

- Protocol **FINGER series communication protocol**
- Datasheet **FPC1020A**