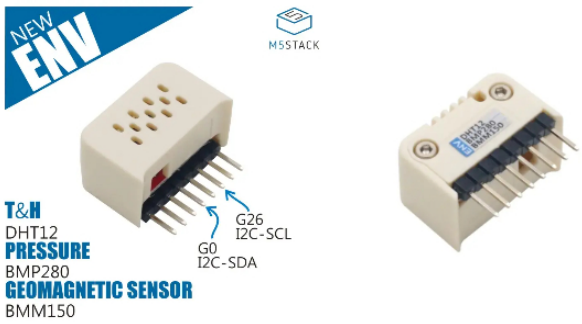
ENV HAT SKU:U053



Description

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 envitonment data collecting.

Product Feature

temperature:

Range: -20 ~ 60 °C

Humidity:

Range: 20 ~ 95 %RH

Air pressure:

Range: 300 ~ 1100hPa

Typical Magnetic Field:

±1300μT (x, y-axis), ±2500μT (z-axis)
magnetic field resolution: 0.3μT

Include

1x ENV Hat

Applications

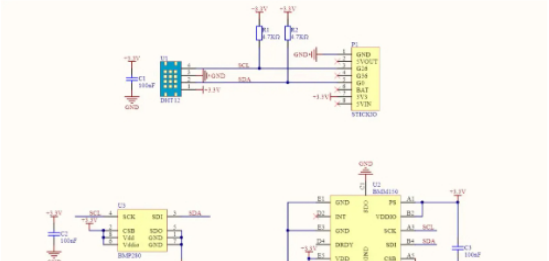
Weather Station
Compass

Specification

Resources	Parameter
net weight	4g
Gross weight	8g
Product Size	24*20*14mm
Package Size	36*38*18mm

Schematic

Schematic



Related Link

- BMP280 library
- BMP280 Datasheet
- DHT12 Datasheet
- BMM150 Datasheet

Pin Map

M5StickC	GPIO0	GPIO26	3.3V	GND
HAT ENV	SDA	SCL	3.3V	GND

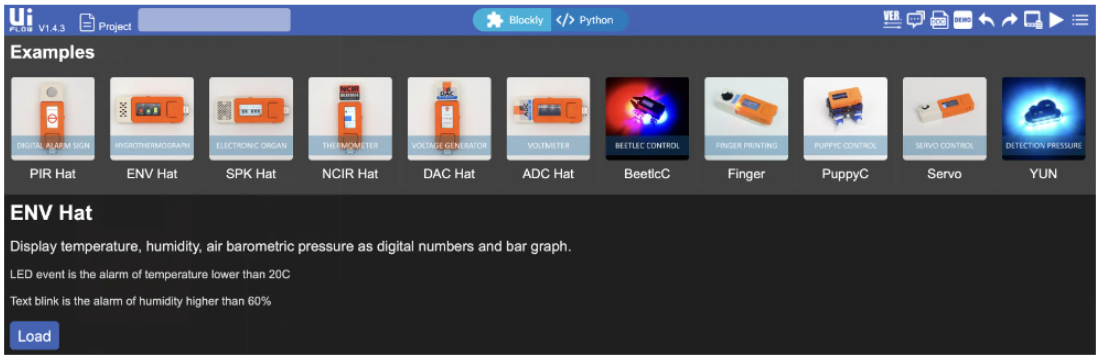
EasyLoader

> EasyLoader is a concise and fast program writer, which has a built-in case program related to the product. It can be burned to the main control by simple steps to perform a series of function verification. Please install the corresponding driver according to the device type. M5Core host Please click here to view the CP210X driver installation tutorial, M5StickC/V/T/ATOM series can be used without driver)

Example

1. Arduino

Please click here to get complete code

2. UIFlow

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