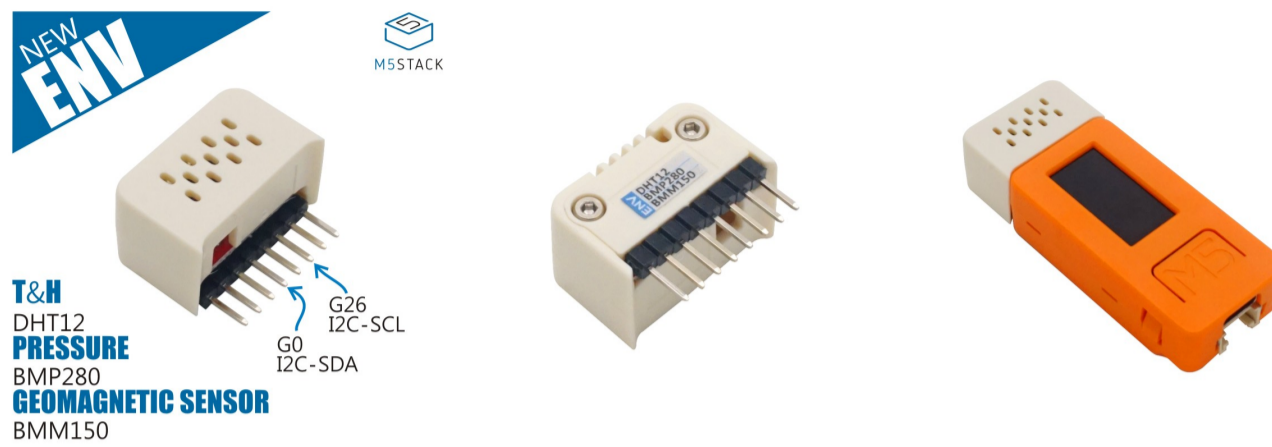


# ENV HAT



## 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 environment data collecting.

## Product Feature

- temperature:
  - Range: -20 ~ 60 °C
- Humidity:
  - Range: 20 ~ 95 %RH
- Air pressure:
  - Range: 300 ~ 1100hPa
- Typical Magnetic Field:
  - $\pm 1300\mu\text{T}$  (x, y-axis) ,  $\pm 2500\mu\text{T}$  (z-axis)
  - magnetic field resolution: 0.3 $\mu\text{T}$

## Weight & Dimension

- Dimension: 24mm x 20.3mm x 13.8mm
- Weight: 3g

## Package Includes

- 1x ENV Hat

## Applications

## Links

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- [BMP280 library](#)
- [BMP280 Datasheet](#)
- [DHT12 Datasheet](#)
- [BMM150 Datasheet](#)

## EasyLoader

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1. 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 master through simple steps, and a series of function verification can be performed. (**Currently EasyLoader is only available for Windows OS**)

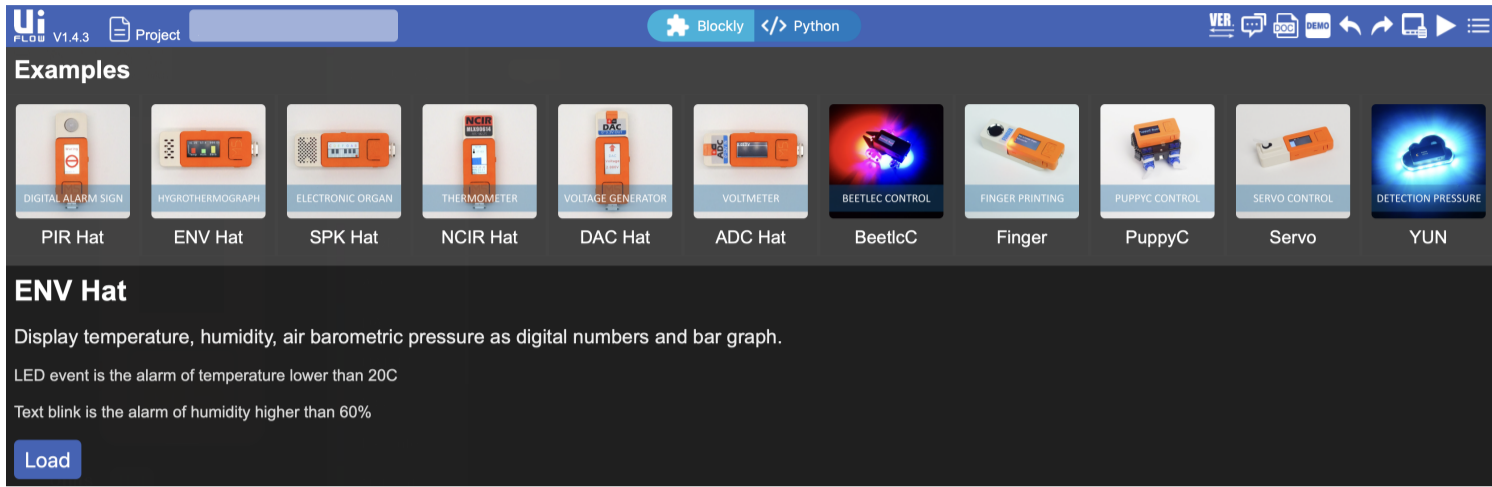
2. After downloading the software, double-click to run the application, connect the M5 device to the computer through the data cable, select the port parameters, click "**Burn**" to start burning. (**For M5StickC burning, please Set the baud rate to 750000 or 115200**)

## Example

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- **UIFlow**

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



- **Arduino**

Please click [here](#) to get complete code

## Pin Map

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M5StickC	GPIO0	GPIO26	5V	GND
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HAT ENV	SDA	SCL	5V	GND
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