UNIT Scales

SKU:U108

Description

UNIT Scales is a high precision low-cost I2C port weighing sensor, with a total weighing range of 20kgs. Adopt **STM32F030** as the controller, **HX711** as sampling chip and 20 kgs weighing sensor. With tare button and programable **RGB** LED. This Unit offers the customer with a highly integrated weighing solution, suitable for the applications of weighing, item counting, item movement Checking and so on.

Product Features

- HX711:
  - High precision 24bit ADC
  - Programmable gain amplification 32, 64 and 128
  - 10SPS output data rate
- I2C port
- Development platform: Arduino, UIFlow(To be supported soon)

Included

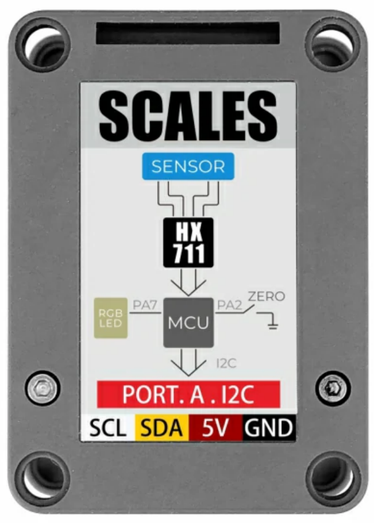
- 1x Scales Unit
- 1x HY2.0-4P Cable (20cm)

Application

- Smart scales
- Kitchen scale
- Item counting device

Specifications

Spec	Parameters
MCU	STM32F030
ADC	HX711
Communication	I2C:0x26
LED	SK6812(PA7)
Function Button	Tare (PA2)
Gross Weight	96g
Net Weight	87g
Package Size	56*40*41mm
Product Size	42*43*58mm
Enclosure Material	Plastic (PC)



EasyLoader

download EasyLoader

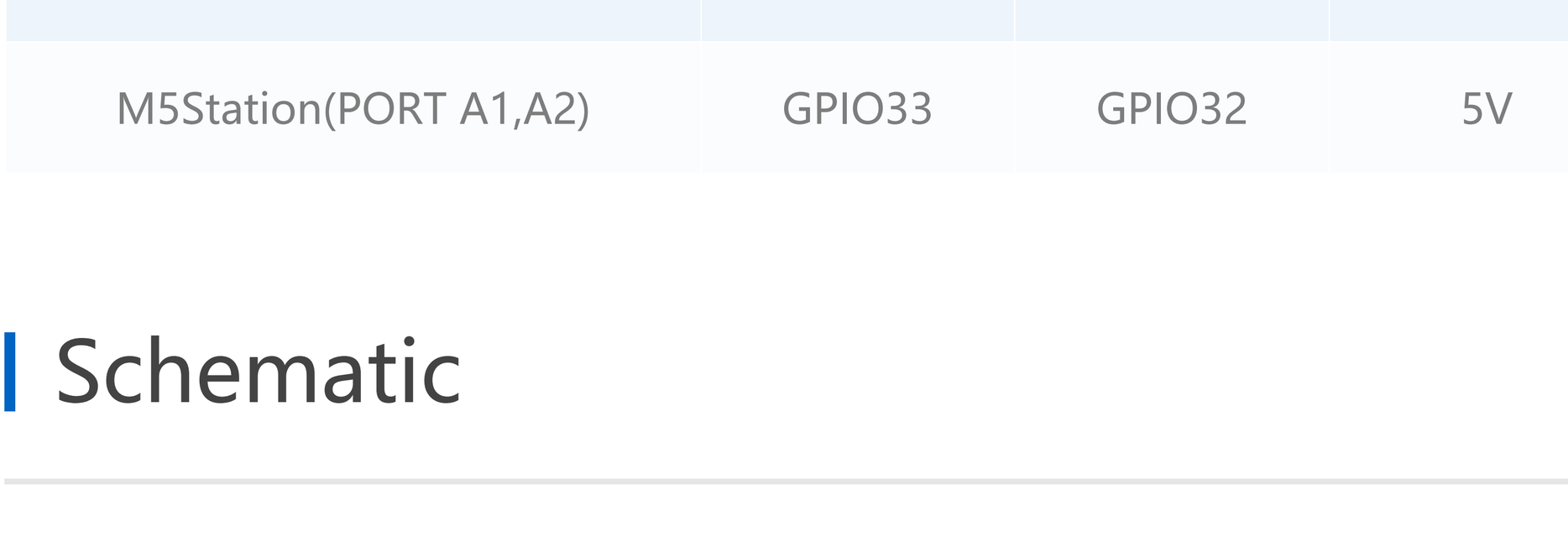
1.EasyLoader is a concise and fast program writer, which has a built-in case program related to the product. It can be burned to the main control by simple steps to perform a series of function verification.

> **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/M5StickC PLUS burning, please Set the baud rate to 750000 or 115200)**

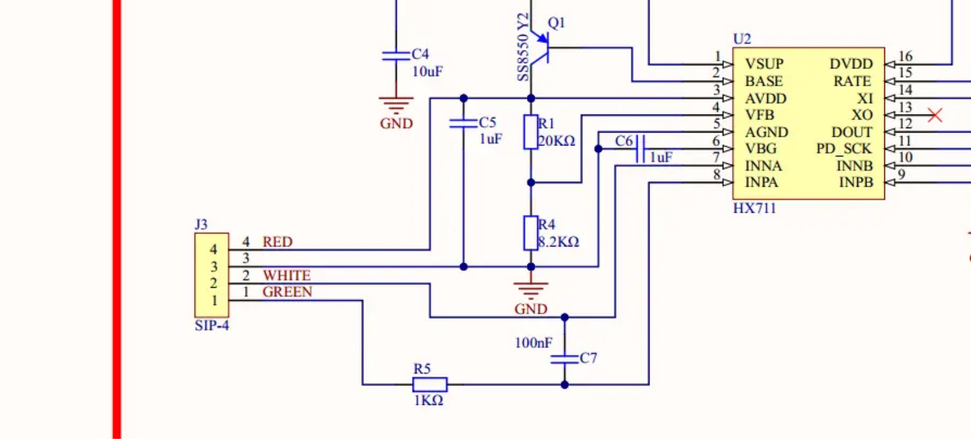
PinMap

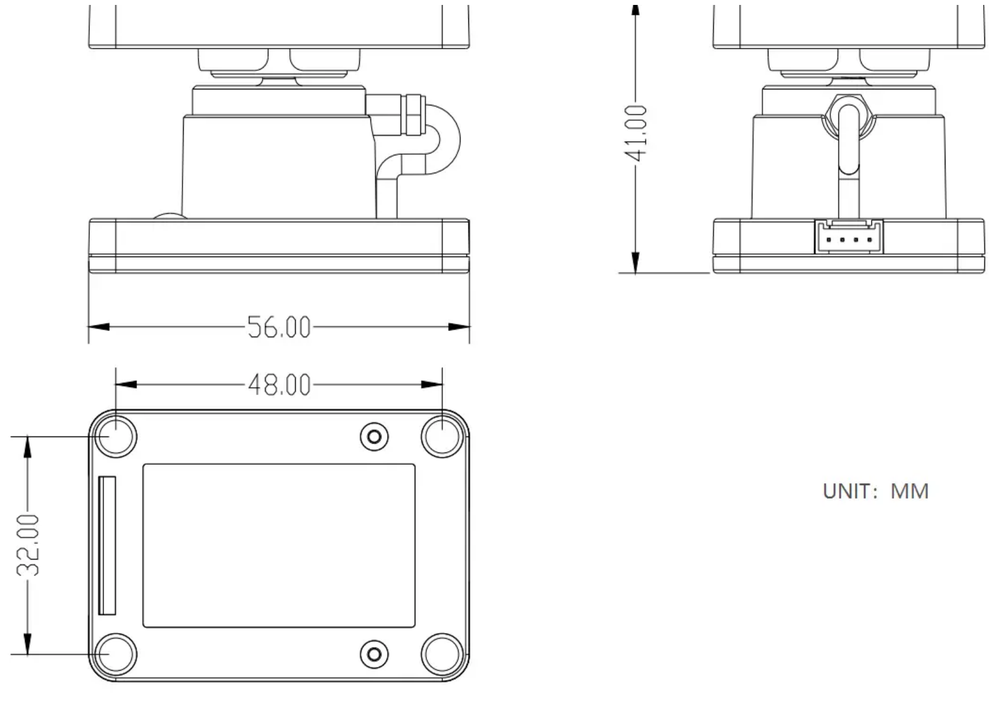
Scales Unit	SCL	SDA	5V	GND
M5Core(PORT A)	GPIO22	GPIO21	5V	GND
M5Core2(PORT A)	GPIO22	GPIO21	5V	GND
M5Atom(PORT A)	GPIO32	GPIO26	5V	GND
M5StickC/Plus(PORT A)	GPIO33	GPIO32	5V	GND
M5Station(PORT A1,A2)	GPIO33	GPIO32	5V	GND

Schematic



Size





UNIT: MM

Related Link

- **Datasheet** - HX711

Example

Arduino

- Config Scales Unit I2C Address
- Scales Demo

UIFlow example