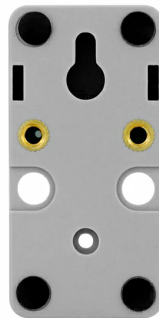


Atomic Stepmotor Base

SKU:A132



Description

Atomic Stepmotor Base is a stepper motor driver base designed for the ATOM series. It features a built-in DRV8825 driver chip, which can drive stepper motors. By adjusting the variable resistor, it can provide up to 1.2A of driving current, and the chip includes overcurrent protection. The board is equipped with a DIP switch for flexible adjustment of the step subdivision. The built-in DC-DC chip allows the entire unit to be powered by an external power supply (9 ~ 18V) when using a stepper motor. It is suitable for applications such as 3D printers, CNC machines, robots, automation equipment, and camera gimbals.

Features

- Built-in DC-DC external power supply for ATOM
- Up to 32 subdivisions
- Up to 1.2A driving current
- Status indicator LED
- Compatible with Atom-Lite/ATOMS3/AtomS3-Lite series hosts

Includes

- o 1 x Atomic Stepmotor Base

Applications

- o Stepper motor controller

Specifications

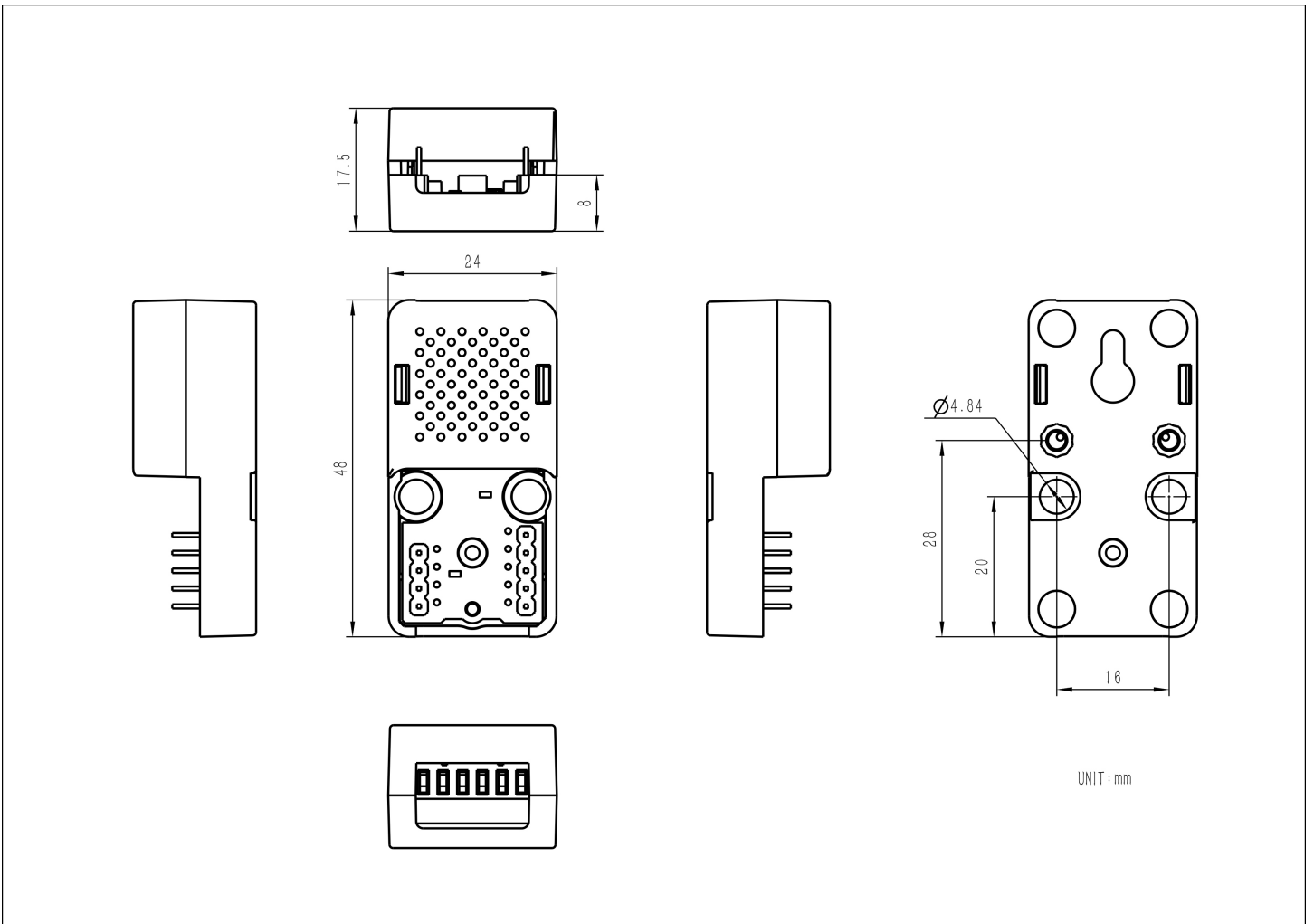
Specification	Parameter
Subdivision	Up to 1/32
Output Current	Up to 1.2A
Supply Voltage	9V ~ 18V
Interface	KF128L 2.54 6P
Housing Material	Plastic (PC)
Product Size	48 x 24 x 18mm
Product Weight	12g
Package Size	136 x 92 x 20mm
Gross Weight	14.4g

Learn

Subdivision Settings

PIN	LEFT	RIGHT	PIN
		1	3V3
RESET	2	3	EN
FAULT	4	5	STEP
5V	6	7	DIR
GND	8	9	PWR-ADC

Model Size



Datasheets

- o [DRV8825](#)

Softwares

Arduino

- [Atomic Stepmotor Base Test Example](#)

UiFlow1

- [Atomic Stepmotor Base UiFlow1 Docs](#)

UiFlow2

- [Atomic Stepmotor Base UiFlow2 Docs](#)

EasyLoader

Easyloader	Download Link	Notes
Atomic Stepmotor Base Test Easyloader	download	/

Video

- Press the middle button to rotate 5000 steps forward and 5000 steps backward

[AtomStepMotor.mp4](#)