

# ATOM RS-232 Kit

SKU:K046



## Description

**ATOM RS-232** is a TTL-RS232 level-converter designed for use with the M5Atomic module. RS232 is a full-duplex communication protocol standard, which defines the electrical characteristics of the serial communication system. It is a widely used communication protocol in the field of industrial control. MAX232 chip is integrated in the module, which supports bidirectional conversion between TTL level and RS232 level. A DC/DC voltage regulator chip is integrated in the ATOM RS-232, which can directly convert the 12V voltage of the RS232 hub to 5V to supply power for ATOM.

## Product Features

- Compatible ATOM Matrix/ATOM Lite
- Built-in DC/DC
- Full-duplex communication

## Include

- 1x ATOM RS-232
- 1x ATOM Lite
- 1x Hex Key
- 1x M2\*8mm Hexagon socket cup head machine screw
- 1x 18cm TYPE-C Cable

## Applications

- RS232 Communication
- Industrial control node

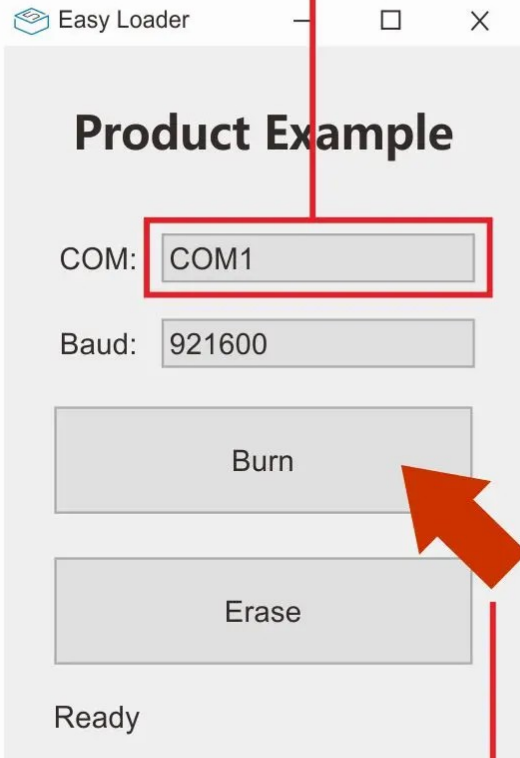
## Specification

Specification	Parameter
External port	VH-3.96 4P
Level-conversion IC	MAX232
DC-DC	A0Z1282CI
Net weight	26g
Gross weight	36g
Product Size	24*48*18mm
Package Size	54*54*20mm
Case Material	Plastic ( PC )

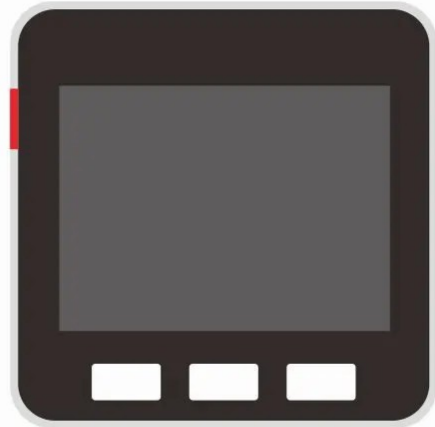
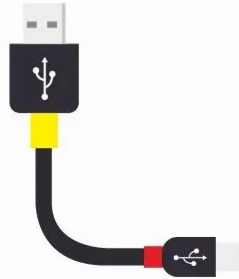
## EasyLoader

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)

## 2, Select COM



## 1, Downloads



Core \ M5StickC \ M5StickV...

## 3, Burn Firmware

Windows MacOS

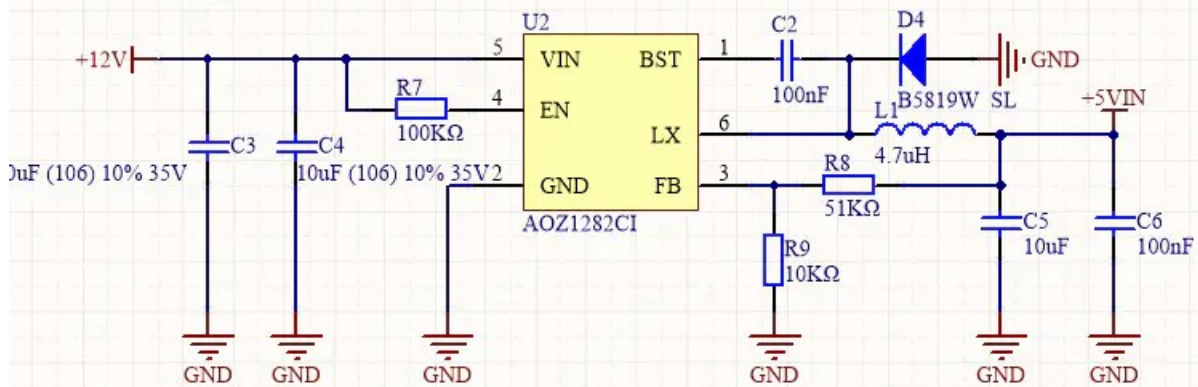
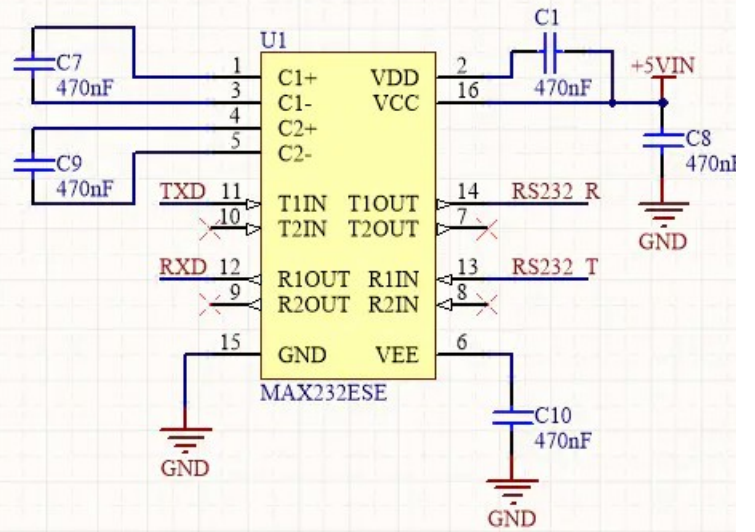
### | Related Link

- **Datasheet**
  - [MAX232](#)
  - [AOZ1282CI](#)

### Pin Map

ATOM	GPIO22	GPIO19	5V	GND
ATOM RS-232	RX	TX	5V	GND

### | Schematic



## Example

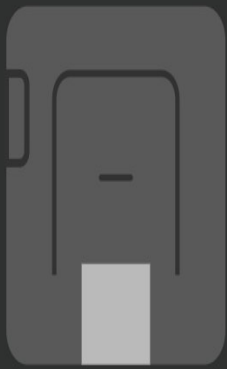
### 1. Arduino

- [Click here to get Arduino example](#)

### 2. UIFlow

- [Click here to get UIFlow example](#)

search



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Units

```
Setup
uart1 set tx 19 rx 22 baud 9600 use uart 1

Loop
if uart1 remain cache
do
set flush to uart1 read all
Set RGB Bar color blue
Set RGB Bar color black

Button A wasPressed
write a line "hello" in uart1
Set RGB Bar color green
```