

Atomic RS485 Base

SKU:A131



Description

Atomic RS485 Base is a TTL-RS485 converter based on the Atomic design, used for converting TTL level to RS485 level. RS485 is a widely used electrical specification in the industrial field, offering stronger anti-interference capabilities and longer transmission distances. It integrates a DC/DC step-down voltage regulator chip internally, which can directly convert the 12V voltage of RS485 to 5V to power the ATOM, eliminating the need for a separate power supply. When multiple devices need to communicate and control, using the Atomic RS485 for interface type conversion is a good choice.

Features

- Compatible with Atom-Matrix/Atom-Lite/ATOMS3/AtomS3-Lite
- Multi-point communication
- SP3485EE
- Built-in DC-DC

Includes

- 1 x Atomic RS485 Base
- 1 x VH3.96-4P Terminal
- 1 x I/O Sticker

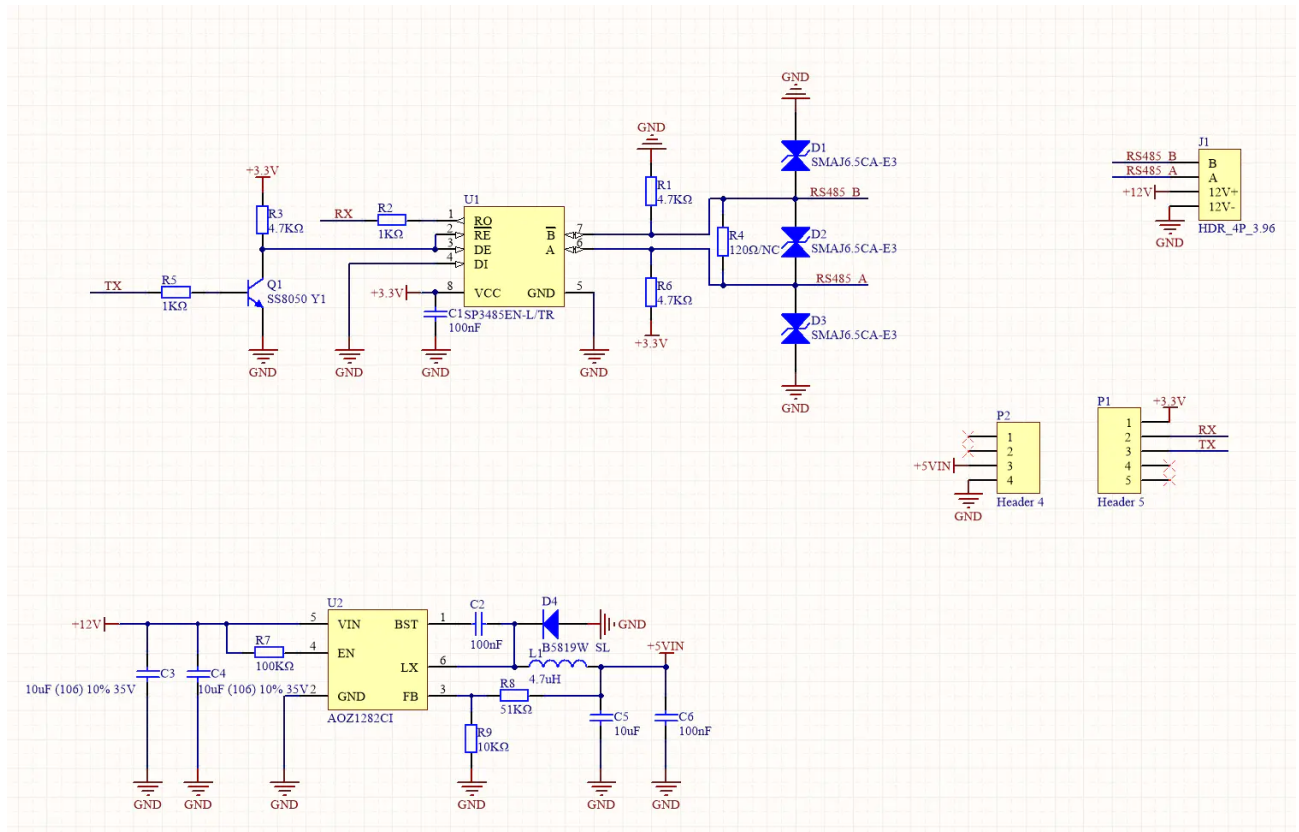
Applications

- RS485 multi-point communication
- Industrial control nodes

Specifications

Specification	Parameter
External Port	VH-3.96 4P
Level Shift IC	SP3485EE
DC-DC	A0Z1282CI
Housing Material	Plastic (PC)
Product Size	24 x 48 x 18mm
Package Size	136 x 92 x 13mm
Product Weight	20g
Gross Weight	30g

Schematics



PinMap

ATOMIC RS-485 Base	TX	RX
Atom-Lite	G22	G19
Atom-Matrix	G22	G19
AtomS3-Lite	G5	G6
ATOMS3	G5	G6

Datasheets

- [SP485EEN](#)
- [AOZ1282CI](#)

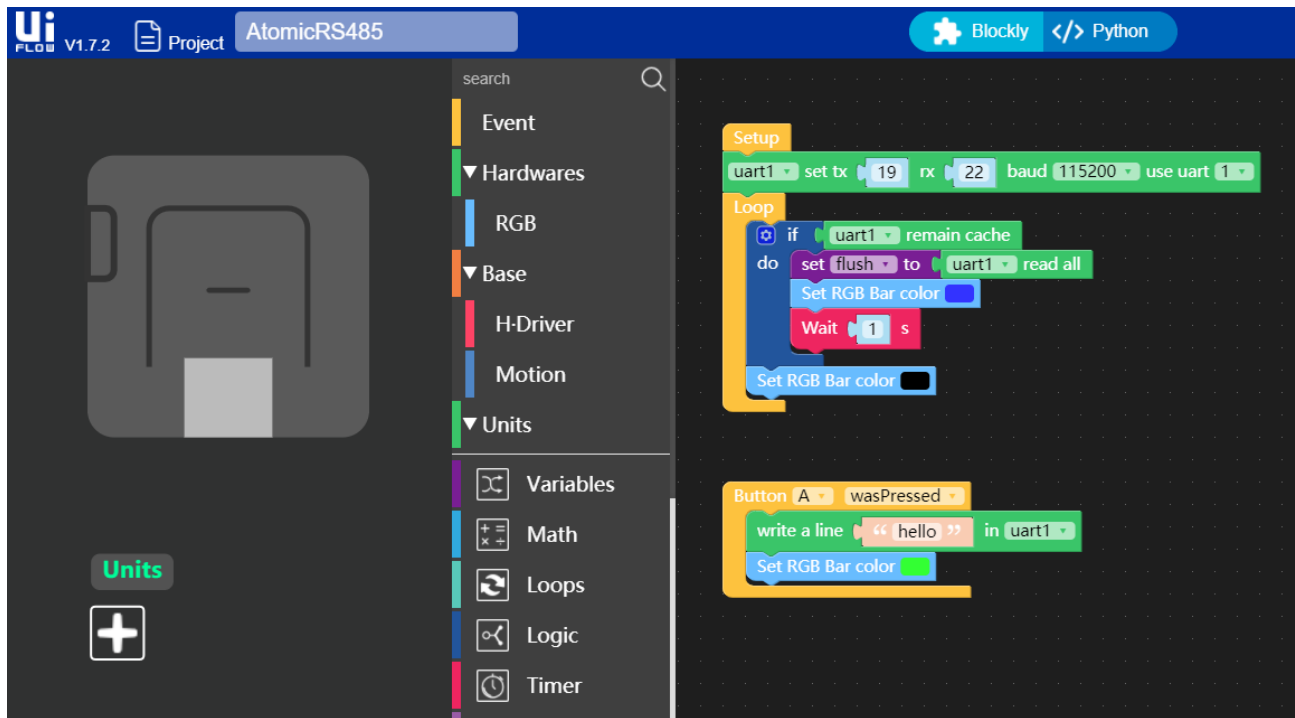
Softwares

Arduino

- [Atomic RS485 Base Test Example](#)

UiFlow1

- [Atomic RS485 Base Test Example](#)



EasyLoader

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Video

- [MQTT & RS485 Relay Control](#)

[A131.mp4](#)

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