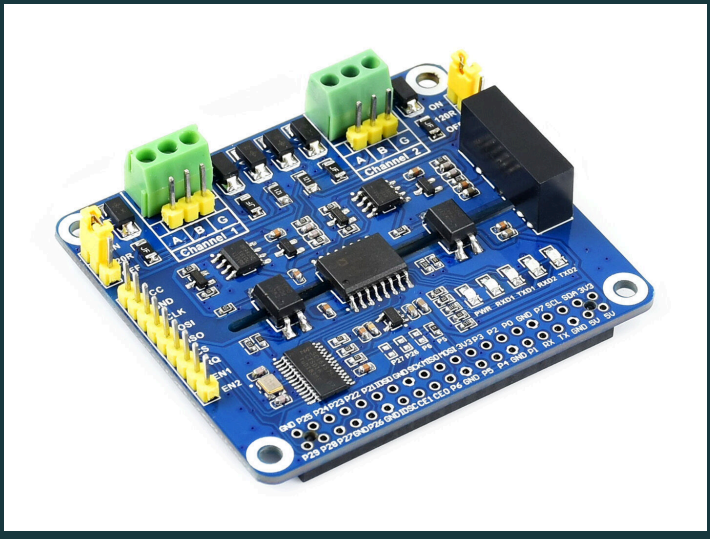
seeed studio

INDUSTRIAL PRODUCT DATASHEET

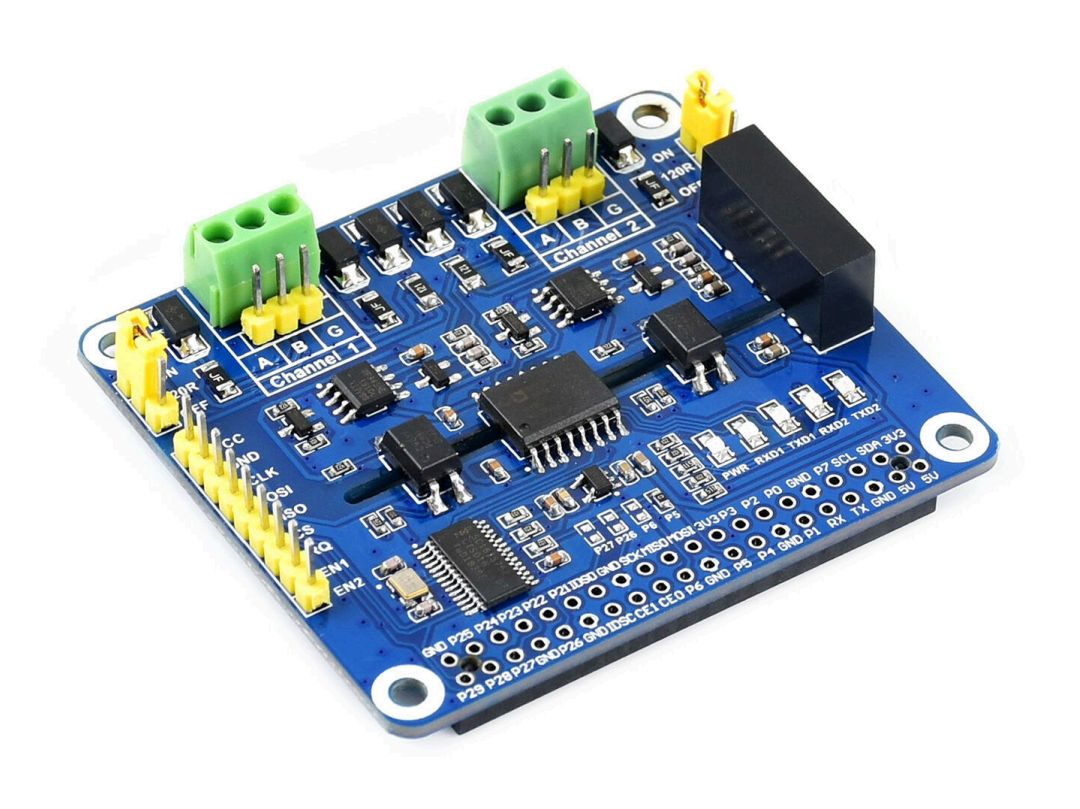
2-Channel Isolated RS485 Expansion HAT for Raspberry Pi

This is a Raspberry Pi Hat for converting the SPI interface into the RS485 interface.

SKU	UPDATED	PRICE
113990774	2026-11-11 08:25:53	$17.99(Excl. VAT)



Overview



This is a Raspberry Pi Hat for converting the SPI interface into the RS485 interface. The Hat can control 2 RS485 interfaces working at the same time.

Key Features

01 Standard Raspberry Pi 40PIN GPIO extension header, supports Raspberry Pi series boards

02 Adopts SC16IS752+SP3485 dual-chip combination, converts SPI to RS485, data rate up to 921600bps

03 Allows transceiving data manually or automatically, configured by DIP switch

04 Onboard TVS (Transient Voltage Suppressor), effectively suppress surge voltage and transient spike voltage in the circuit, lightning-proof & anti-electrostatic

05 Onboard auto-recovery fuse and protection diodes, ensures the current/voltage stable outputs, provides over-current/over-voltage proof, improves shock resistance

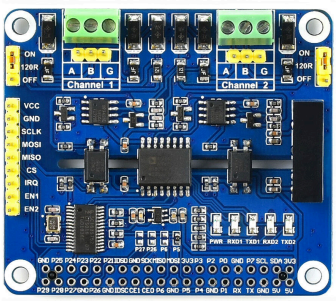
06 Onboard LEDs for indicating the power and transceiver status

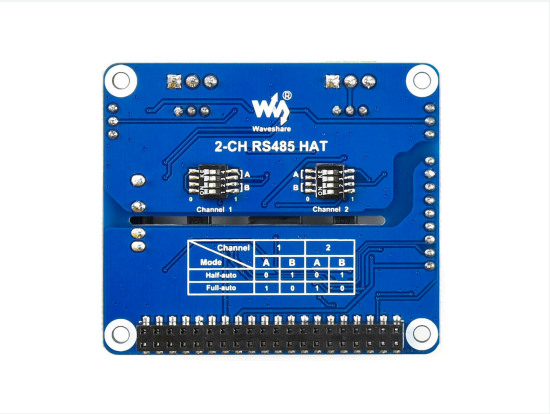
07 Breakout SPI control pins, for connecting with host control boards like Arduino

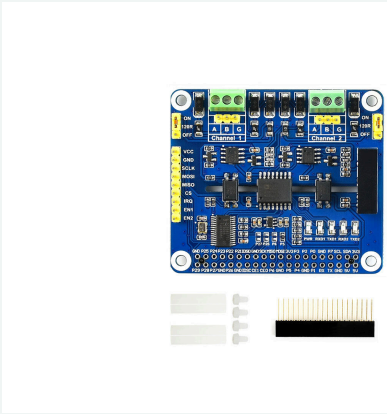
08 Comes with development resources and manual (examples in C and Python)

Product Gallery









Resource Links

- https://www.seeedstudio.com/2-Channel-Isolated-RS485-Expansion-HAT-for-Raspberry-Pi-p-4373.html
- Development resource: Wiki

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