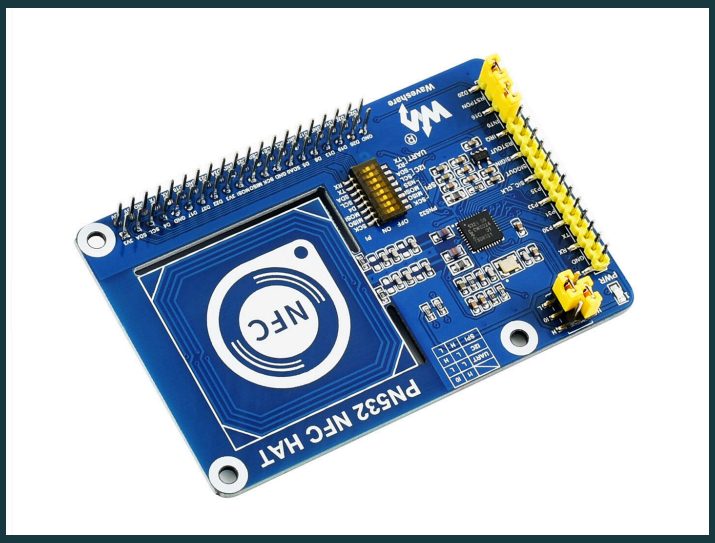
seeed studio

INDUSTRIAL PRODUCT DATASHEET

PN532 NFC HAT for Raspberry Pi, Arduino, and STM32, I2C / SPI / UART

The PN532 NFC HAT adds NFC/RFID capabilities to Raspberry Pi, Arduino, and STM32 through I2C, SPI, or UART interfaces.

SKU	UPDATED	PRICE
113990775	2026-04-09 12:38:28	$13.99(Excl. VAT)



Overview

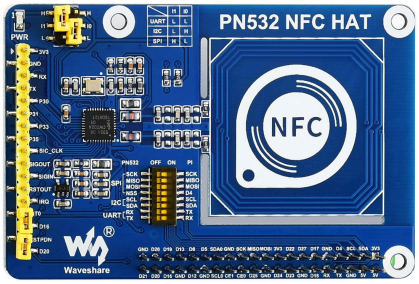


The PN532 NFC HAT is a versatile add-on board that brings NFC/RFID functionality to Raspberry Pi, Arduino, and STM32 hosts via I2C, SPI, or UART interfaces, featuring an onboard PN532 chip for compatibility with cards like MIFARE and NTAG2xx. It includes development resources and examples for Python, C, STM32, and Arduino, supporting applications such as contactless payment, device chaining, and social sharing.

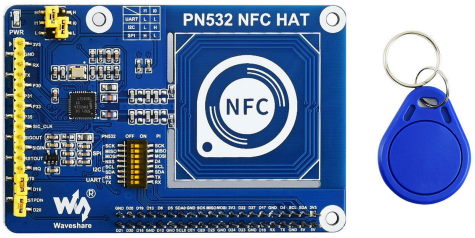
Key Features

- Standard Raspberry Pi 40PIN GPIO extension header, supports Raspberry Pi series boards
- Onboard PN532 chip, supports various NFC/RFID cards like MIFARE/NTAG2xx, etc.
- Three interface options: I2C, SPI, and UART, configured via jumpers and switches
- Breakout control pins, for easily connecting with host boards like STM32/Arduino
- Comes with development resources and manual (examples for Raspberry Python/C, STM32, Arduino)

Product Gallery









Applications

- **Contactless payment system**
- **Bluetooth and WiFi devices chaining**
- **Social sharing function like sharing contacts, photos, and videos**
- **Smartphone NFC app**

Part List

1. PN532 NFC HAT x1
2. MIFARE Classic 1K Card x1

Compliance & Logistics



HSCODE	8543909000
USHSCODE	8543903500
UPC	
EUHSCODE	8543709099
COO	CHINA

Resource Links

- https://www.seeedstudio.com/PN532-NFC-HAT-for-Raspberry-Pi-Arduino-and-STM32-I2C-SPI-UART-p-4374.html
- Development resource: wiki

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