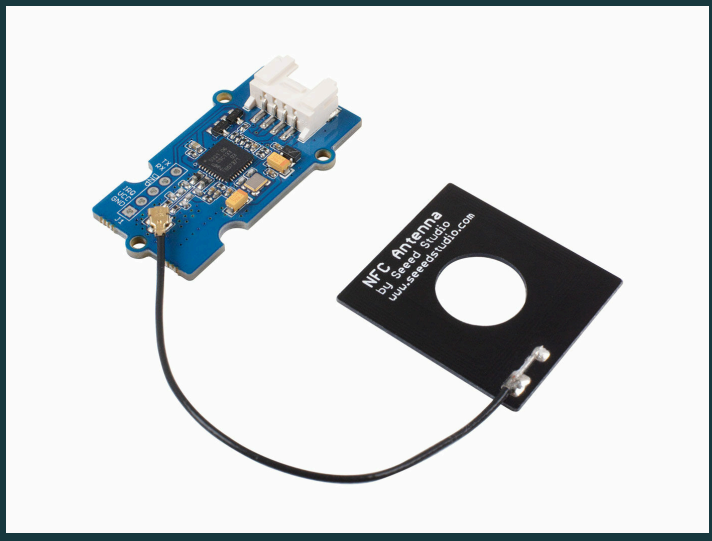
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INDUSTRIAL PRODUCT DATASHEET

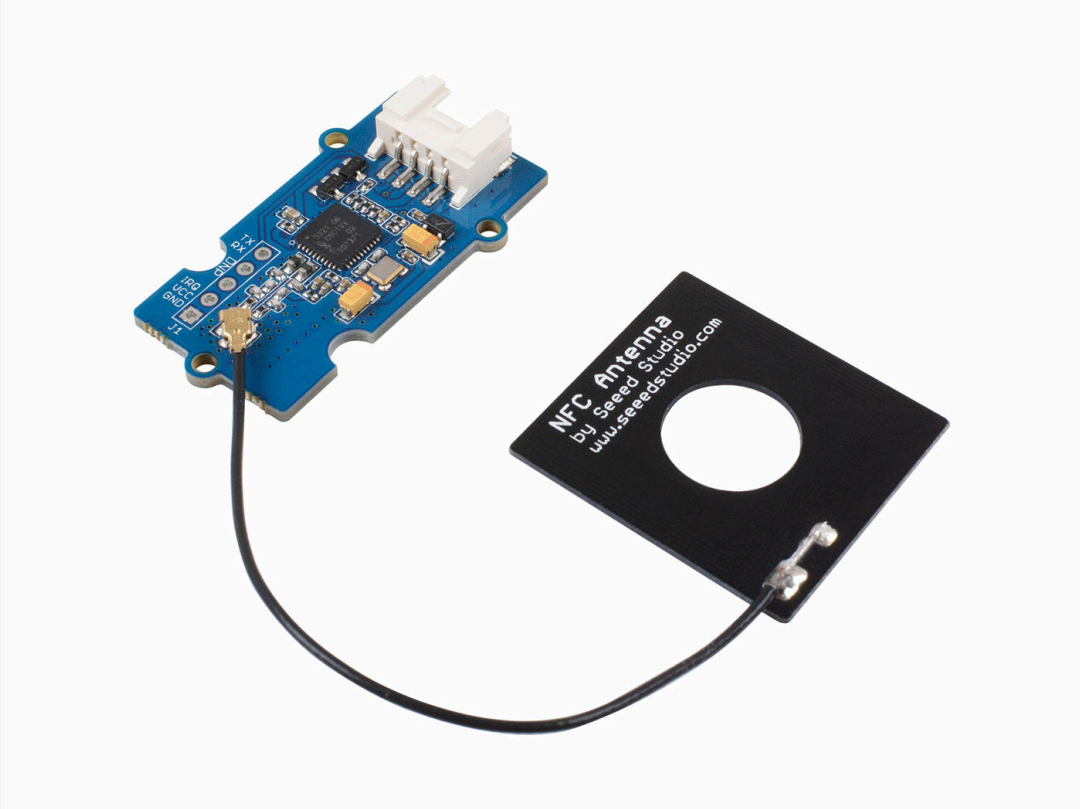
# Grove - NFC(PN532): Contactless communication, I2C/UART

Grove - NFC(PN532): Contactless 13.56MHz NFC communication with I2C/UART interface and Grove plug-and-play for access control, smart home, IoT, and NFC pay applications.

| SKU | UPDATED | PRICE |
| --- | --- | --- |
| 113020006 | 2026-11-03 03:45:43 | $16.50(Excl. VAT) |



# Overview




The Grove - NFC(PN532) enables contactless communication at 13.56MHz with a max operating distance of 28mm for detecting NFC tags depending on the current antenna size. It supports ISO14443 Type A and Type B protocols, provides I2C/UART interface conversion (UART default), and features a Grove compatible plug-and-play interface.

# Key Features

01 **Detection of long-distance**

Max operating distance for detecting NFC tags is 28mm depending on the current antenna size

02 **The radio frequency of 13.56Mhz**

Serve for contactless communication at 13.56MHz

03 **Support ISO14441 protocols**

Support ISO14443 Type A and Type B protocols

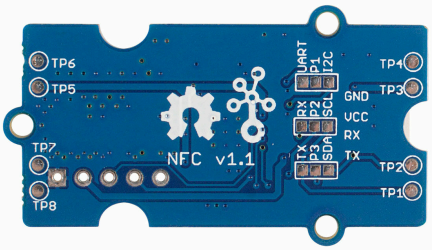
04 **I2C/UART interface conversion**

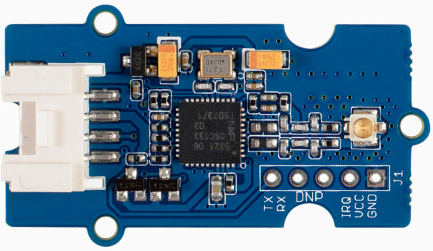
Support host interface: I2C, UART(default)

05 **Grove compatible interface**

The product ensures "Plug and Play" and could be versatile for various applications of Grove

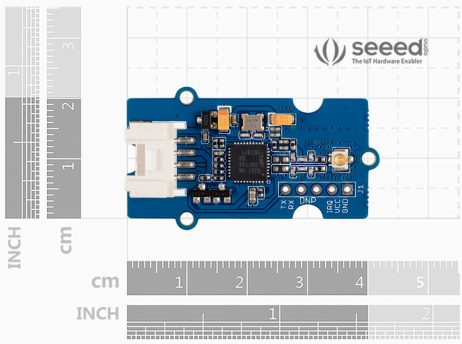
# Product Gallery












# Applications

- Access control system
- Electric business card
- IC card
- Smart Home
- Electric toys
- IoT systems
- NFC pay

# Resource Links

- https://www.seeedstudio.com/Grove-NFC.html
- Grove - NFC v1.0 EAGLE (schematic and board) files
- Grove - NFC v1.1 EAGLE (schematic and board) files
- PN532 Datasheet PDF

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