

INDUSTRIAL PRODUCT DATASHEET

Grove Shield for Arduino Nano v1.3

Grove Shield for Arduino Nano v1.3 offers effortless interface extension with 8 Grove ports for modular prototyping.

SKU

103100124

UPDATED

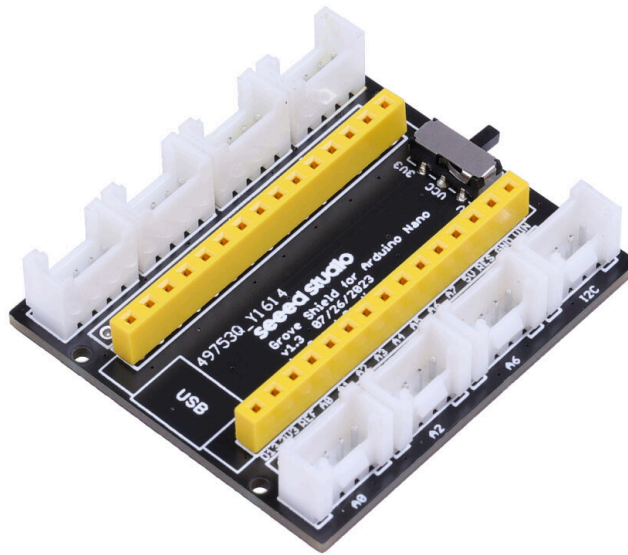
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PRICE

\$2.90(Excl. VAT)



Overview



The Grove Shield for Arduino Nano v1.3 provides a simple plug-and-play way to expand Arduino Nano and compatible boards with 8 Grove connectors, including 3 digital, 3 analog, 1 I2C, and 1 UART interfaces. It supports various Nano models including the Arduino ESP32 Nano, with a selectable 3.3V/5V power switch for compatibility.

Key Features



Grove Shield for Arduino Nano provides you with a simple way to connect with Arduino Nano and Seeeduino Nano.

- **Easy to use:** Plug the expansion board into the Arduino Nano or Seeeduino Nano and use it directly.
- **Numerous interfaces:** It expands to 8 Grove connectors, including 3 Grove digital connectors, 3 Grove analog connectors, 1 Grove I2C connector, and 1 Grove UART connector.
- **Grove unified socket:** The shield ensures "Plug and Play" and could be versatile for various applications.

Description

Grove Shield for Arduino Nano provides you with a simple way to connect with Arduino Nano and Seeeduino Nano. This shield helps you get rid of breadboard and jumper wires by pulling out the pins of the motherboard and expanding to 8 Grove connectors. This shield pulls out the pins of the motherboard and expands to 8 Grove connectors, including 3 Grove digital connectors, 3 Grove analog connectors, 1 Grove I2C connector, and 1 Grove UART connector.

We have developed more than 400 Grove modules, covering a wide range of applications that can fulfill various needs. Click to explore the [Grove Sensor family](#) and get started to Grove your Idea. For all Grove users (especially beginners), we provide you with guidance PDF documents. Please download and read through [Preface - Getting Started](#) and [Introduction to Grove](#) before your use of the product.

We have updated Grove Shield to V1.1, which supports the Arduino Nano 33 series development board.

V1.1 Change Note:

- Add VCC 3.3V/5V Switch

V1.1 Support List:

- Arduino Nano
- Seeeduino Nano
- Arduino Nano Every
- Arduino Nano 33 IoT*
- Arduino Nano 33 BLE*
- Arduino Nano 33 BLE Sense*

V1.3 Change Note: Version V1.3 of the Grove Shield cuts the wires connecting both sides of the RST and RSE pins. To support the Arduino ESP32 Nano.

V1.3 Support List:

- Arduino Nano
- Seeeduino Nano
- Arduino Nano Every
- Arduino Nano 33 IoT*
- Arduino Nano 33 BLE*
- Arduino Nano 33 BLE Sense*

- Arduino ESP32 Nano

Attention

To work with Arduino 33 serial boards, please switch the VCC power to 3.3V. If the VCC power supply is switched to 5V, the development board may be damaged!

Note

This product does not include a Seeduino Nano, please click [here](#) if you need one

Application

- Interface Extensions

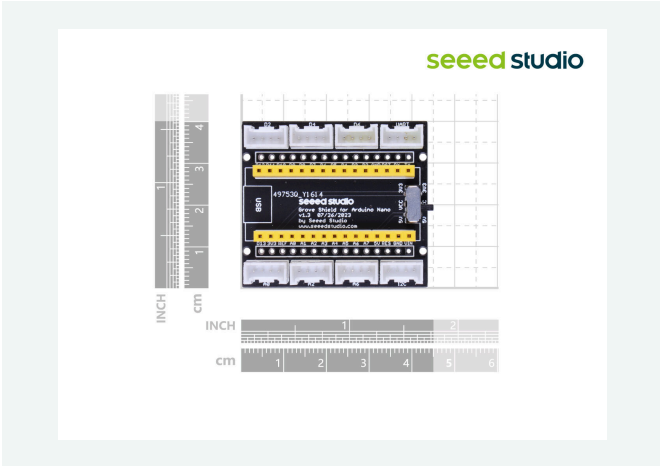
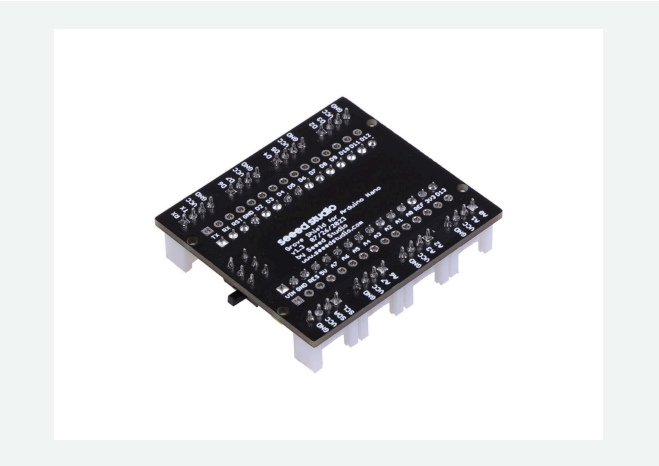
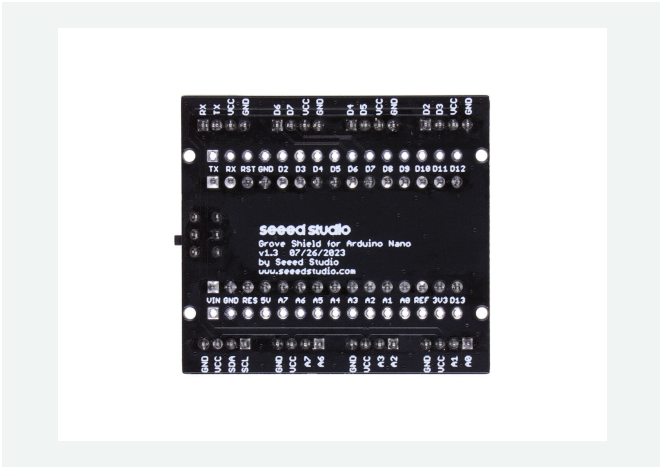
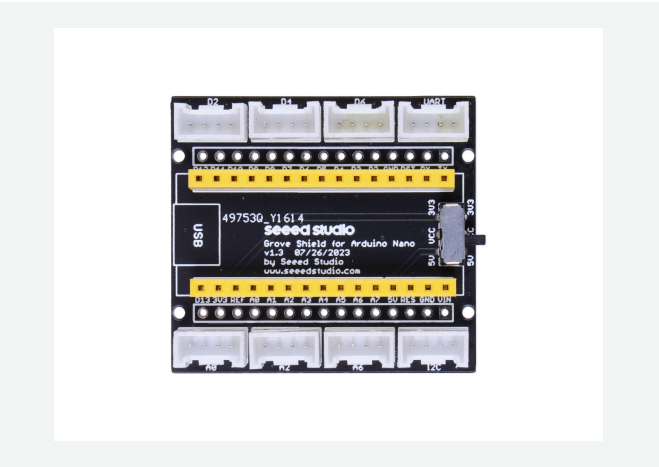
Specifications

Hardware Overview

- 1-Analog Ports: include 3 analog ports, A0, A2, A6.
- 2-Digital Ports: include 3 digital ports, D2, D4, D6.
- 3-UART Port: 1 UART port.
- 4-I2C Ports: 1 I2C ports.

Part List

Product Gallery



Specification

Operating voltage	3.3V/5V
Operation Temperature	-25°C to +85°C
Analog Ports	3
Digital Ports	3
UART Ports	1
I2C Ports	1
Size	45mm x40mm

Applications

- Interface Extensions

Part List

Grove Shield for Arduino Nano	1
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Compliance & Logistics



HSCODE	8517709000
USHSCODE	8543903500
UPC	841454122524
EUHSCODE	8517180000
COO	CHINA

Resource Links

- <https://www.seeedstudio.com/Grove-Shield-for-Arduino-Nano-p-4112.html>
- [Grove shield for Arduino Nano PCB&SCH](#)
- [Grove shield for Arduino Nano PCB&SCH](#)
- [Grove shield for Arduino Nano SCH](#)
- [Grove shield for Arduino Nano BRD](#)

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