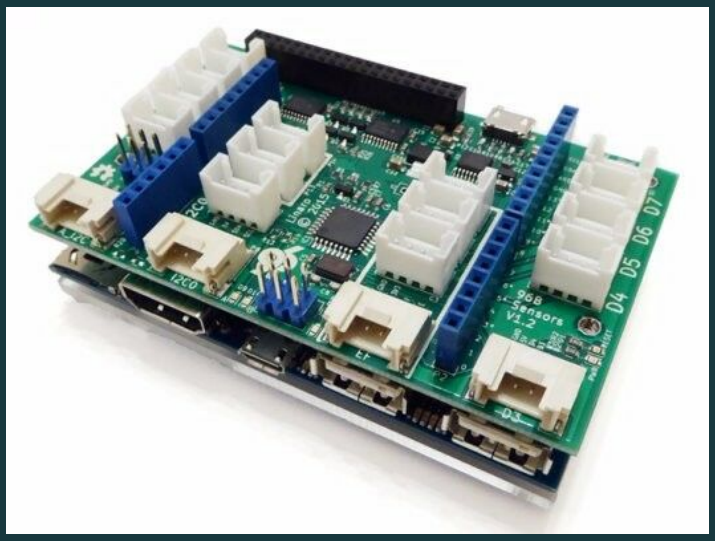
seeed studio

INDUSTRIAL PRODUCT DATASHEET

96Boards Sensors

96Boards Sensors Mezzanine adapter with 18 Grove connectors, Arduino shield socket, ATmega328, and USB-UART for prototyping on 96Boards platforms.

SKU	UPDATED	PRICE
102990344	2025-07-30 07:31:11	$20.00(Excl. VAT)



Overview



The 96Boards Sensors Mezzanine adapter enables easy connection of sensors and devices to any 96Boards-compatible base board via Grove modules and Arduino-compatible shields. It features 18 Grove connectors, an Arduino UNO shield socket, an integrated ATmega328 microcontroller programmable from the Arduino IDE, and a USB-UART interface for baseboard console access.

Key Features

The 96Boards Sensors Mezzanine adapter makes it simple and easy to connect sensors and devices to any 96Boards-compatible base board. With it you can connect your favourite Grove modules and Arduino compatible shields and interface to software running on the 96Boards baseboard. It provides everything you need to start experimenting and prototyping on the 96Boards platform.

On the board you will find sockets for 18 Grove modules, an Arduino-compatible shield socket, and two SPI headers. It also includes an ATMega328 microcontroller which can be programmed from the Arduino IDE and will run most Arduino UNO sketches unchanged. The shield connector and 10 of the Grove sockets are controlled by the microcontroller, while the remaining 8 Grove sockets are controlled directly by the baseboard. This makes it a flexible prototyping platform which supports both direct control of devices from application software, and offload to a microcontroller. It also provides a USB-UART interface to access the baseboard's serial console.

The Sensors board attached on top of a 96Boards CE or EE edition board using the 40pin low-speed expansion connector.

Please note: A 96Boards baseboard is not included.

This board has been tested and works with the Qualcomm Dragonboard 410c and the LeMaker HiKey boards.

Features

- Integrated ATMEGA328p microcontroller (Arduino compatible)
- 18 Grove connectors
  - http://www.seeedstudio.com/wiki/Grove_System
  - 5x baseboard GPIO ports
  - 5x I2C ports (1 for baseboard, 2 for microcontroller)
  - 5 digital ports (for microcontroller)
  - 3x analog ports (for microcontroller)
- 2x SPI connectors (1 to baseboard, 1 to microcontroller)
- Arduino UNO compatible shield connectors
- LED: Power, Reset, 2x baseboard GPIO, 1x microcontroller IO
- UART interface between baseboard and microcontroller
- USB-UART connector for baseboard console and control

Part List

- 1x 96Boards Sensors Board
- 4x M2.5 8mm nylon spacer

- 4x M2.5 nylon screw

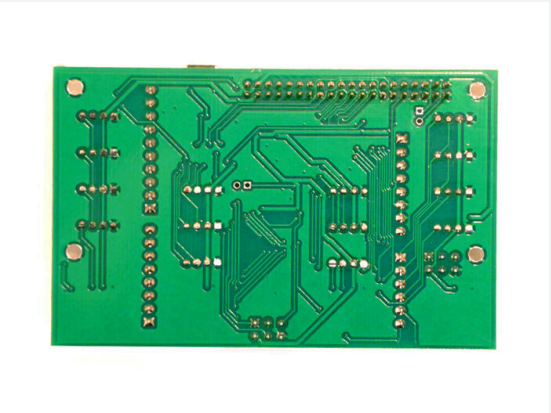
Getting Started Guide

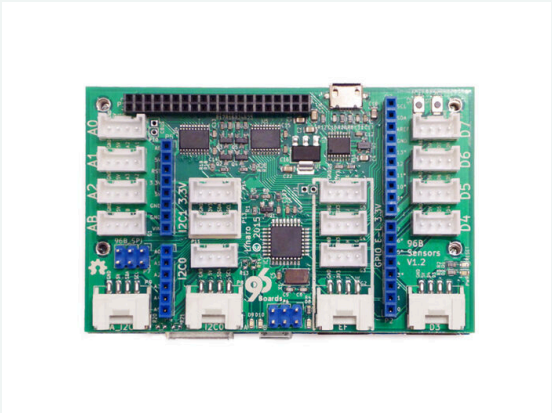
Schematic: **https://github.com/96boards/96boards-sensors/raw/master/Sensors.pdf**

Design Files: **https://github.com/96boards/96boards-sensors**

For any technical support or suggestion, please kindly go to our **forum**.

Product Gallery





Part List

96Boards Sensors	1

Compliance & Logistics

HSCODE	8543909000
USHSCODE	8543903500
UPC	841454117520
COO	CHINA

Resource Links

- https://www.seeedstudio.com/96Boards-Sensors.html

Seeed Technology Co.,Ltd.
9F, Building G3, International E City,
Zhongshanyuan Road, Nanshan, Shenzhen, China

Tel: +86 0755-80695676
Web: www.seeed.cc
Shop: www.seeedstudio.com