seeed studio

INDUSTRIAL PRODUCT DATASHEET

Wio Node

Affordable, compact IoT development board with Plug-n-Play Groves and visual app configuration.

SKU	UPDATED	PRICE
102110057	2026-07-30 08:20:49	$12.90(Excl. VAT)



Overview



The Wio Node is an ESP8266-based open-source Wi-Fi development board that supports Plug-n-Play Groves, visual configuration, OTA firmware updates, RESTful APIs, and Android & iOS APPs. Note: Wio IFTTT function is EOL, but the Wio APP with API is available for sensor reading and actuator control.

Key Features

Warning

The Wio IFTTT function is EOL. But Wio APP is available. You can use the API from Wio APP to read sensor status and control the actuator.

Thank you for your understanding.

Finally, **Wio Link** now has a little brother – the **Wio Node**.

Wio Node was born with most of the features as its elder brother:

- An **ESP8266** based open-source Wi-Fi development board
- Supports Plug-n-Play Groves
- Visual Configuration
- OTA (Over-The-Air) Firmware Updates
- RESTful APIs
- IFTTT Application
- Android & iOS APPs

But it is **cheaper**, **smaller** and also **lighter** in weight.

Even though the compact design only allows Wio Node to have two Grove connectors, it still offers as many as 2 Digital I/O, 1 Analog Input, 1 UART and 2 I2C interfaces to communicate with up to 42 (and more to come) Grove modules. Setting up an IoT device with Wio Node is piece of cake as all the Grove sensor/actuator modules can be visually configured to RESTful APIs on your mobile APPs, and the physical circuit connections does not involve any bread boarding, soldering, or wire jumpers, once you finish updating the firmware over-the-air (OTA), you'll find out it only takes you 5 minutes to build an IoT application with the Wio Node.

Owing to its low-cost, easy-to-use and compact design, Wio Node can be used to build an IoT system where a large amount of 'things' are required to be connected to the internet. We have provided detailed instructions and rich tutorials at **http://iot.seeed.cc/** to help you getting started with your Wio Node easily and quickly. You can also find out more interesting stuff at the **Wio Community**, where all the Wio fans gather to share their ideas and experiences.

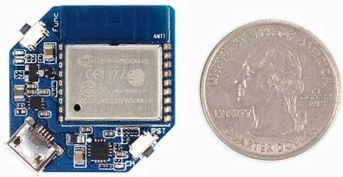
Features

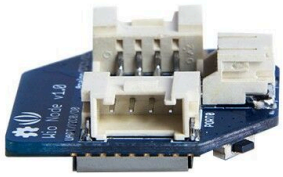
- Cheaper, lighter, smaller, and simpler
- Built around ESP 8266 Wifi module
- Supports Plug-n-Play Groves

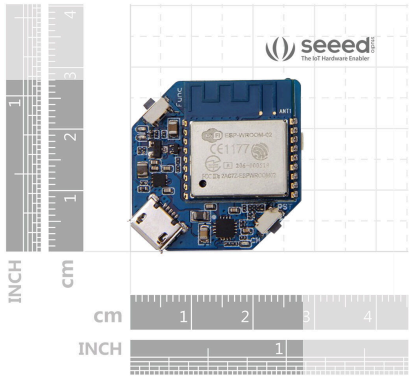
- Visual Configuration
- OTA (Over-The-Air) Firmware Updates
- RESTful APIs
- IFTTT Application
- Android & iOS APPs

Product Gallery











Part List

Wio Node	1

Compliance & Logistics



HSCODE	8543909000
USHSCODE	8543903500
UPC	841454117742
EUHSCODE	8543709099
COO	CHINA

Resource Links

- https://www.seeedstudio.com/Wio-Node.html
- API Reference
- Server Deployment Guide
- How to write module driver for Wio Link
- Sourcecode on Github
- Schematic File in PDF
- Schematic File in Eagle
- CE/FCC/TELEC Certified(only) for core module ESP-WROOM-02

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