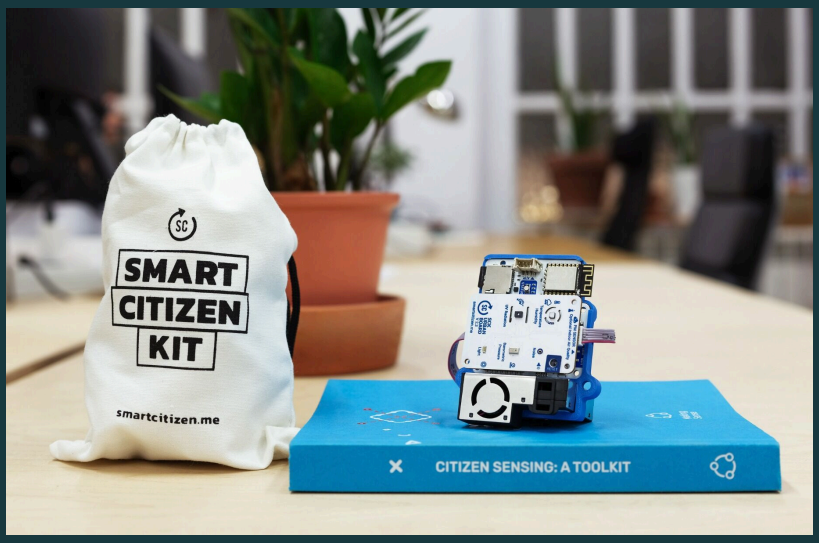
seeed studio

INDUSTRIAL PRODUCT DATASHEET

Smart Citizen Kit 2.3 - Open Source Environmental Monitoring Kit

[image] The Smart Citizen Kit allows people to easily collect environmental data such as air and noise pollution, visualize it, and share it with the world through the Smart Citizen platform.

SKU	UPDATED	PRICE
114993536	2026-11-11 09:11:00	$149.00(Excl. VAT)



Overview



[image] The Smart Citizen Kit allows people to easily collect environmental data such as air and noise pollution, visualize it, and share it with the world through the Smart Citizen platform. All this while being completely open source and customizable to your needs. Built by communities for communities.This product is a co-create collaboration with Seeed Studio and Fab Lab Barcelona. From July 2026, Smart Citizen Kit 2.3 ships without the UV sensor due to limited supply. The PCB footprint remains, but UV measurement is not supported. Other main sensing functions are unchanged.

Key Features

01 **Multi-Sensor Capabilities**

The new SCK2.3 is compatible with the previous SCK2.1. It brings new sensors, more customization, and exciting features that allow anyone to accurately measure and collect better quality data, including UV readings, an improved PM sensor to better measure air quality, along with the classic sensors from the previous SCK2.1: temperature, humidity, noise and light pollution.

02 **User-Friendly Interface**

The SCK2.3 is designed to allow anyone to start measuring in no time, making it accessible for beginners,educators, and researchers alike. Its straightforward setup process and intuitive interface allow users to easily start collecting data without needing advanced technical skills.

03 **Open Source Hardware with Customization Options**

As with previous versions, the SCK2.3 is fully open source, allowing users to modify and customize its hardware and firmware, tailoring the SCK to meet their specific needs. For example, users can add a diverse selection of new sensors to measure additional metrics for indoor and outdoor air quality, and water and soil measurements. In addition, Fab Lab Barcelona has a wide range of open-source designs that allow users to 3D print and build their enclosures, recycling them when they are done, and saving some industrial plastic manufacturing in the process.

04 **Data Sharing and Visualization**

Collected data can be uploaded to the Smart Citizen Platform, where users can visualize their findings through easy-to-read graphs. The Smart Citizen Platform is completely open for people to access, making it easy for anyone to play, experiment, and work with environmental data!

05 **Various data-logging options**

The SCK2.3 is designed to publish data using your home or office Wi-Fi and can store data in CSV format on a MicroSD. It also includes an internal memory to store more than a month's worth of data in case the device loses its Wi-Fi connection. Data is published automatically when the connection is recovered.

06 **Flexible Power Options**

Similar to previous versions, the SCK2.3 can be powered via micro USB, and it also comes with a 2000mAh LiPo battery. The battery is meant to be a complete power option for short-term measurements (from days to a week) and a backup solution when the SCK is used for longer periods. It is also compatible with various other charging options, including battery packs, or solar panels for off-the-grid deployments.

07 **A Community Design Scaled up by Fusion Co-Create**

08 Why Smart Citizen?

09 Introducing the SCK2.3

10 What's new on the SCK2.3?

11 PM sensor with finer measuring capabilities

12 UV Sensor for complete light measurements

Product Gallery









Resource Links

- https://www.seeedstudio.com/Smart-Citizen2-3-p-6327.html
- PCN-114993536- Smart Citizen Kit 2.3
- https://enclosures.smartcitizen.me/
- Smart Citizen Onboarding
- Resource

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