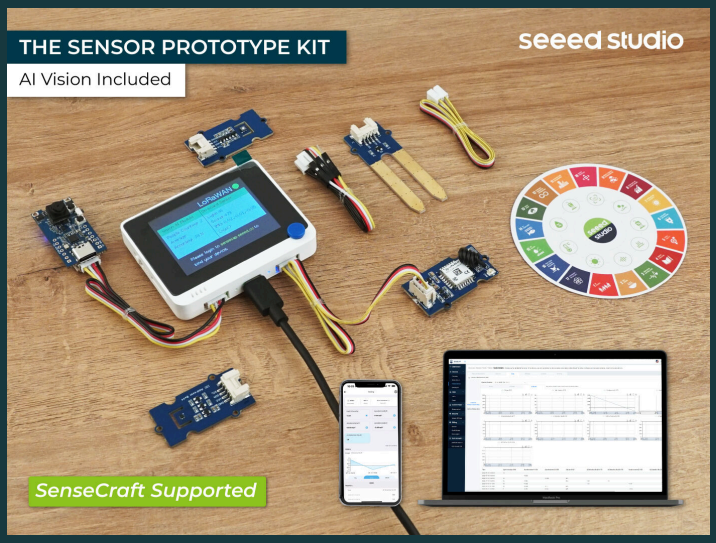
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INDUSTRIAL PRODUCT DATASHEET

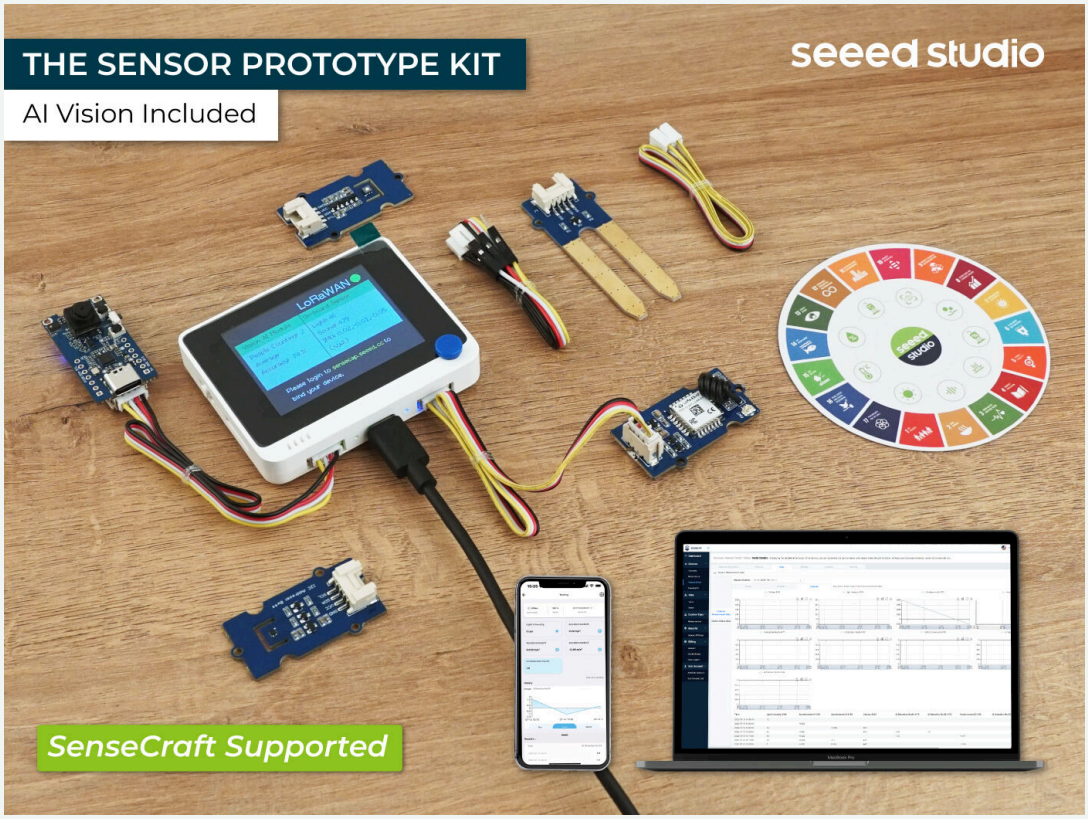
SenseCAP K1100 - The Sensor Prototype Kit with LoRa® and AI

SenseCAP K1100 - The Sensor Prototype Kit with LoRa® and AI for rapid AIoT prototyping with LoRa®, AI vision, 400+ Grove sensor compatibility, and an upgrade path to industrial SenseCAP sensors.

SKU	UPDATED	PRICE
110991748	2026-10-29 01:03:14	$99.00(Excl. VAT)



Overview



The SenseCAP K1100 - The Sensor Prototype Kit with LoRa® and AI enables AIoT projects to be deployed in 10 minutes through three steps, combining Machine Learning, LoRa® technology, and a pre-trained embedded AI Vision Sensor. It supports applications such as human traffic flow detection, indoor air quality control, and potted plants health monitoring, with compatibility with 400+ Grove sensors, mainstream cloud platforms, and open-source programming platforms, and is upgradable to the higher-end SenseCAP series of outdoor sensors for industrial usage.

Key Features

- **Deploy in 10 Minutes**: Build an AIoT project through 3 steps in 10 minutes
- **Advanced Technologies**: Combination of Machine Learning, LoRa® technology, and pre-trained embedded AI Vision Sensor
- **Great Extensibility**: Compatible with 400+ Grove sensors to support extensive applications and customization options
- **Broad Integration**: Compatible with mainstream platforms for Cloud support
- **Open-source Platform**: Compatible with beginner-friendly programming platforms enabling co-creation of IoT sensors
- **Upgradable to Industrial Sensors**: Gateway to the higher-end SenseCAP series of outdoor sensors for industrial usage

Product Gallery

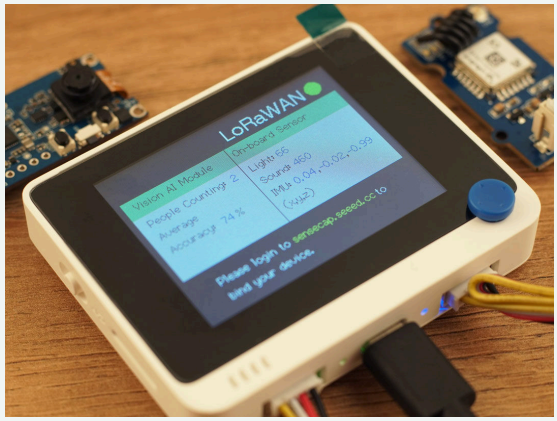












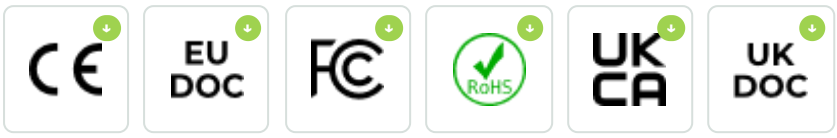
Applications

- **Human Traffic Flow Detection:** Monitor the data of human traffic flow using the AI Vision Sensor
- **Indoor Air Quality Control:** Detect various gas types and carbon dioxide in the air to monitor the atmospheric environment indoors
- **Potted Plants Health Monitor:** Monitor data of temperature, humidity, and soil moisture to maintain the optimal environment for the desktop potted plants

Part List

Wio Terminal
Grove - Wio-E5
Grove - VOC and eCO2 Gas Sensor SGP30
Grove - Soil Moisture Sensor
Grove - Temp&Humi Sensor(SHT40)
Grove - Vision AI Module
Grove - Cable
Grove - 4 pin Male Jumper to Grove 4 pin Conversion Cable
USB Cable - Type C

Compliance & Logistics



HSCODE	8517180050
USHSCODE	8517180050
UPC	
EUHSCODE	8543709099
COO	CHINA

FCC Requirement

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

15.21

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy.

If not installed and used in accordance with the instructions, it may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Resource Links

- https://www.seeedstudio.com/Seeed-Studio-LoRaWAN-Dev-Kit-p-5370.html
- TinyML Case Studies
- 3D Printing "Case" Studies

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