

seed studio

INDUSTRIAL PRODUCT DATASHEET

SenseCAP S2110 Sensor Builder, an open-source tool to build RS485 sensors with Grove

An open-source tool to build rugged RS485 sensors from Grove modules for smart agriculture, industrial control, and more.

SKU

114992986

UPDATED

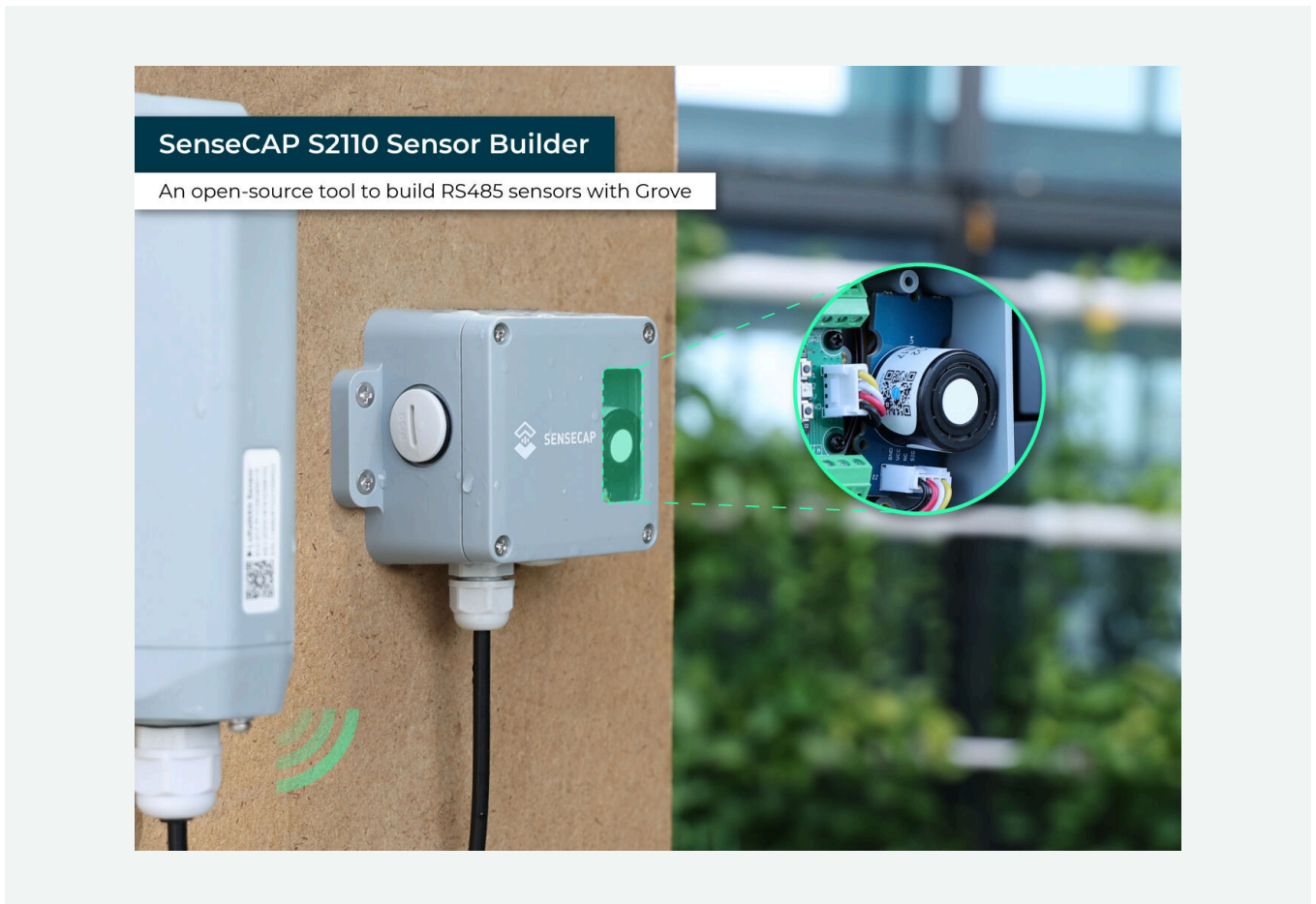
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PRICE

\$19.90(Excl. VAT)



Overview

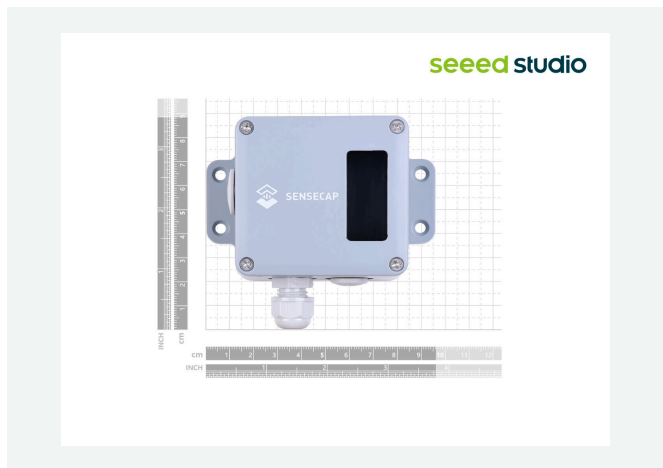
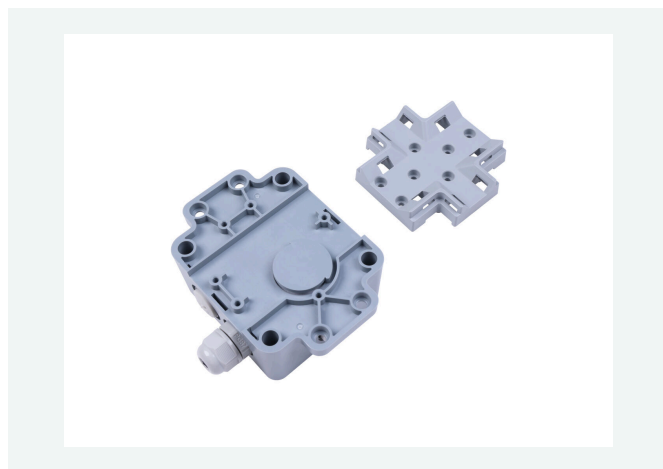
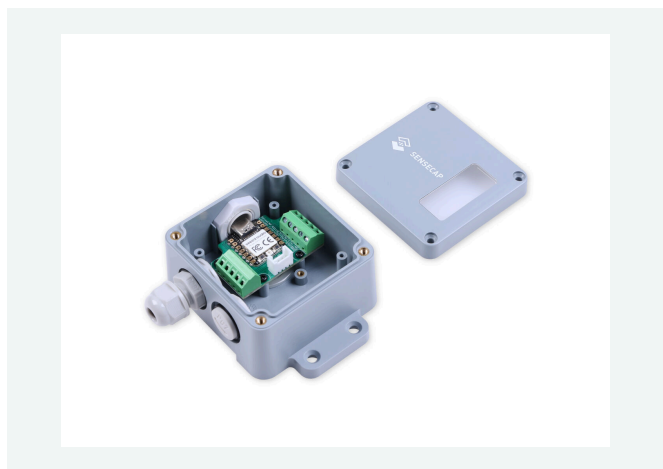


The SenseCAP S2110 Sensor Builder is an open-source tool that converts over 500 Grove sensors into industrial-grade MODBUS RS485 sensors using an IP66-rated enclosure. It seamlessly integrates with the SenseCAP LoRaWAN® ecosystem and third-party data loggers for versatile IoT applications.

Key Features

- **Easily build MODBUS RS485 industrial-grade sensors:** With open-source source code and IP66 enclosure, easily convert over 500+ existing Grove sensors to MODBUS RS485 industrial-grade sensors. 6 of the most popular environmental Grove sensors are already fully compatible with native firmware with more to come.
- **SenseCAP Data Logger and IoT Platform Compatible:** Convert to a SenseCAP LoRaWAN® sensor with SenseCAP Data Logger and take advantage of quick and easy set-up in just 5 minutes with SenseCAP Mate APP.
- **Supports Third-party Data Loggers and IoT Platforms:** Besides SenseCAP Data Logger, developers could connect to other data loggers that support MODBUS RS485 protocol and third-party IoT platforms.
- **Ready-to-deploy Industrial-grade Outdoor Enclosure:** IP66 waterproof rate outdoor enclosure with window and waterproof ventilation hole reserved for light and gas sensors, also comes with a customized mounting panel, suitable for pole and wall installation.
- **Powered by Seeed Studio XIAO RP2040:** Take advantage of the powerful Seeed Studio XIAO RP2040 dual-core ARM M0+ processor and vast open-source resources to customize your own sensor. Easily upload code via USB-C port.

Product Gallery



Applications

- Smart Agriculture
- Smart Buildings & Cities
- Smart Industrial Control
- Office/Home Monitoring
- Environmental Protection
- Other Wireless Sensing Applications

Part List

SenseCAP S2110 Sensor Builder	1
Mounting Pad	1
Screws Set	1
RS-485 Cable	1

Compliance & Logistics

HSCODE	8517691099
USHSCODE	8517690000
UPC	
EUHSCODE	8517180000
COO	CHINA

Resource Links

- <https://www.seeedstudio.com/SenseCAP-XIAO-LoRaWAN-Controller-p-5474.html>
- [SenseCAP S2110 Sensor Builder Mounting Instruction](#)
- [schematic](#)
- [XIAO Reference Design](#)

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