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INDUSTRIAL PRODUCT DATASHEET

Sensor Hub Industrial-grade 4G Data Logger with MODBUS-RTU RS485 protocol - DC Only

An easy-to-deploy, industrial-grade 4G cellular station, Sensor Hub uses the MODBUS-RTU RS485 protocol to communicate with sensors and is able to collect various sensor data simultaneously.

SKU	UPDATED	PRICE
114992171	2026-11-11 10:08:36	$219.00(Excl. VAT)



Overview



An easy-to-deploy, industrial-grade 4G cellular station, Sensor Hub uses the MODBUS-RTU RS485 protocol to communicate with sensors and is able to collect various sensor data simultaneously. IP66-rated, waterproof and dustproof, Sensor Hub 4G Data Logger is suitable for long-term, reliable outdoor applications such as in smart agriculture, smart weather stations and smart city, etc.

Key Features

01 **Support collection of various environmental data simultaneously**

02 **Support local storage of data**

03 **Support using with standard MODBUS-RTU RS485 sensors**

04 **Support uploading data to any server (SenseCAP Server / User's private server)**

05 **Support 4G/3G/2G communication, supporting global LTE frequency band**

06 **Built-in GPS positioning function**

07 **Support remote upgrade and maintenance**

08 **Two power supply options available**

DC only, Solar Power (to be purchased separately, coming soon)

09 **Easy to install and deploy, without requirements of engineering background**

10 **Industry standards, suitable for harsh outdoor environments**

11 **For the DC-only version, if there is a power outage, Sensor Hub won't be able to store the data. Please consider choosing the version with the built-in battery if there are concerns about a power outage in your application. WIth the built-in battery, the device can continue working with power from the battery. If you choose the DC-only version, you can also consider using it with a solar system (to be purchased separately.)**

12 **SenseCAP Portal is a web-based platform for you to manage the devices, data, and access key conveniently.**

Product Gallery









Applications

- **Smart Agriculture, Smart City, Smart Buildings, Smart Industry, Environmental Monitoring, Other wireless Sensing Applications**

Resource Links

- https://www.seeedstudio.com/4G-Sensor-Hub-Global-DC-Only-p-4881.html
- Developer Guide for Private MQTT Messaging of SenseCAP SensorHub
- SenseCAP Sensor Hub Catalog (Data Logger & Sensor Probes)
- SenseCAP SensorHub Catalog-v3.1-Global.pdf
- SenseCAP Sensor Hub 4G Data Logger User Guide

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