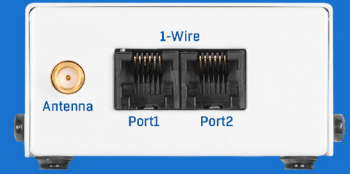# SD-2x1Wire

4 sensor values to the Portal

The SD-2x1Wire is connecting to the Portal external RJ11 sensors (Temperature, Humidity, Voltage, Light, CO_2, VOC, ...).

Powered from external power supply 5V or PoE.

SensDesk Technology

WiFi · LAN · PoE

You can connect:

Up to 4 sensors values

°C	Temperature
% RH	Relative Humidity
CO_2	Carbon dioxide
Light	Light intensity
4-20 mA	Current (4-20 mA)
WATER Spot detector	Water spot detector

Remote sensors monitoring device SD-2x1Wire connecting external RJ11 (1W-UNI) sensor values to the user account of the Portal (SensDesk Technology).

You can connect external RJ11 sensors (Temperature, Relative Humidity, 4-20 mA, WLD Water Leak Detection, Light Sensor, Voltage, ...). Device can be powered from PoE.

IoT Monitoring device have to be connected to the SensDesk Technology based portal. Default HWg-cloud.com portal is free of charge service. Other compatible (paid) portals also available.

Portal centralizes device management, graphs, Alerts by email, SMS or Voice-calls. Open API and PDF reports are also available.

Portal based services

Graphs · Safe range · Reports · Web server · https · Device MGMT · Billing
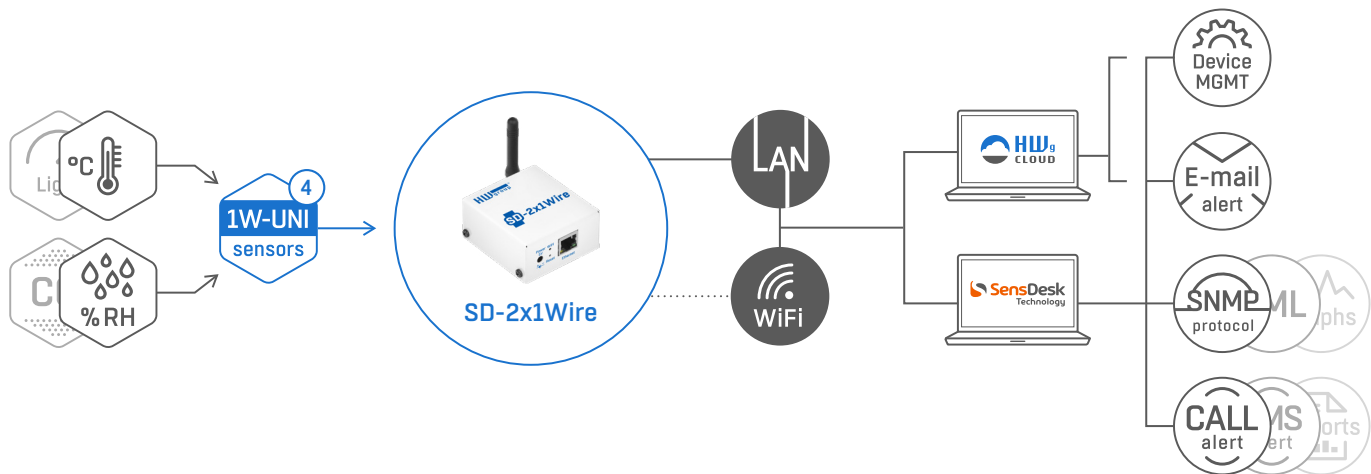
4 sensor values

Wide portfolio of external RJ11 sensors. Some can require external power. One physical RJ11 sensor probe can provide several sensor values.

Users' benefits

- Portal will alert you by email (SMS, Voice Call) if the sensor value is out of the Safe Range.
- Mobile App can show you all sensor values in your portal account.
- SMS, Voice call alerts, or Multigraphs & PDF reports can be used with paid portal services.
- The SD-2x1Wire device and the portal are products of the HW group and are seamlessly integrated.

Typical applications

- Remote locations temperature monitoring
- RMS (Remote Monitoring System) for Temperature / Humidity / Water & others
- A/C units (Air Conditioning) failure detection
- HVAC monitoring / optimization
- Food / Pharmaceutical production & storage
- LAN / WiFi Thermometer

Related products

UPS 12V and 5V

The "UPS 12V and 5V" is a backup power source for devices with 12V as well as 5V DC power supply which can be powered by the UPS simultaneously.

Sensor CO2 1W-UNI

Combined Temperature (-0 to +50 °C), Relative Humidity (RH 0–95 %) and CO_2 (300–40000 ppm) sensor in one box. RJ11 interface (1-Wire UNI bus).

Temp 1Wire Pt100

High precision temperature sensor -50 °C to 200 °C.

HTemp-1-Wire Outdoor

Temperature and humidity sensor for outdoor use.

Technical specifications

External power	5V DC / 120 mA / Jack Ø 3.5 × 1.35 / 10 mm
PoE support	Yes (RJ45 - IEEE 802.3af Class 0)
Operating temperature	-30 °C to +80 °C
Dimensions / weight	67×78×33 mm / 250 g
Electromagnetic radiation / EMC	CE/FCC Part 15, Class B / EN 55022, EN 55024, EN 61000

External sensors

Sensor ports	2× RJ11 (2 ports, 4 sensors values in total)
Compatible sensors	1-Wire / 1-Wire UNI sensors from HW group only
Sensors distance	Max. 60 m per each one port
You can monitor	Temperature, Relative Humidity, Voltage, AC / DC Current, Flood detection, CO_2, VoC, Light intensity & many more

Device connectivity

LAN	10/100 Mbit with PoE support (IEEE 802.3af Class 0)
WiFi	2.4 GHz
Compatible portals	Any portal based on SensDesk Technology is mandatory

Portal Features

Default portal	HWg-cloud.com
Compatible portals	All SensDesk Technology based portals
Mobile App	HWg monitor, SensDesk Mobile
Portal alerts	Email, SMS, Voice Calls, remote relay
Portal graphs	Graphs / Multi-graphs
Portal reports	PDF reports
Portal Open API	XML, SNMP

IoT Monitoring