STE2 R2

Reliable environment monitoring for remote locations. Email alerts, SNMP monitoring or cloud service available.

STE2 R2 is a reliable LAN & WiFi remote sensor monitoring product. External sensors for 2× RJ11 ports & detectors to 2× DI (Digital Input).

Whenever a too high or too low temperature is detected (door opened), an Alert is sent. Alerts (Emails) can be sent directly from the device (SMTP) or from the Portal service (SMS, ring-out, and device-disconnected alerts).

Even without Portal service, STE2 R2 can send alerts via an external SMS gateway (on the same network). With or without the Portal, the HWg monitor (IOs / Android mobile App) display current sensor values.

Additional sensors can be connected to a second RJ11 sensor port (% RH, Cryo temperatures, CO_2, VoC, 4-20mA, water flood, ...). RJ11 sensors can be daisy-chained or one physical sensor can measure several values (ºC + %RH + VoC = 3 values).
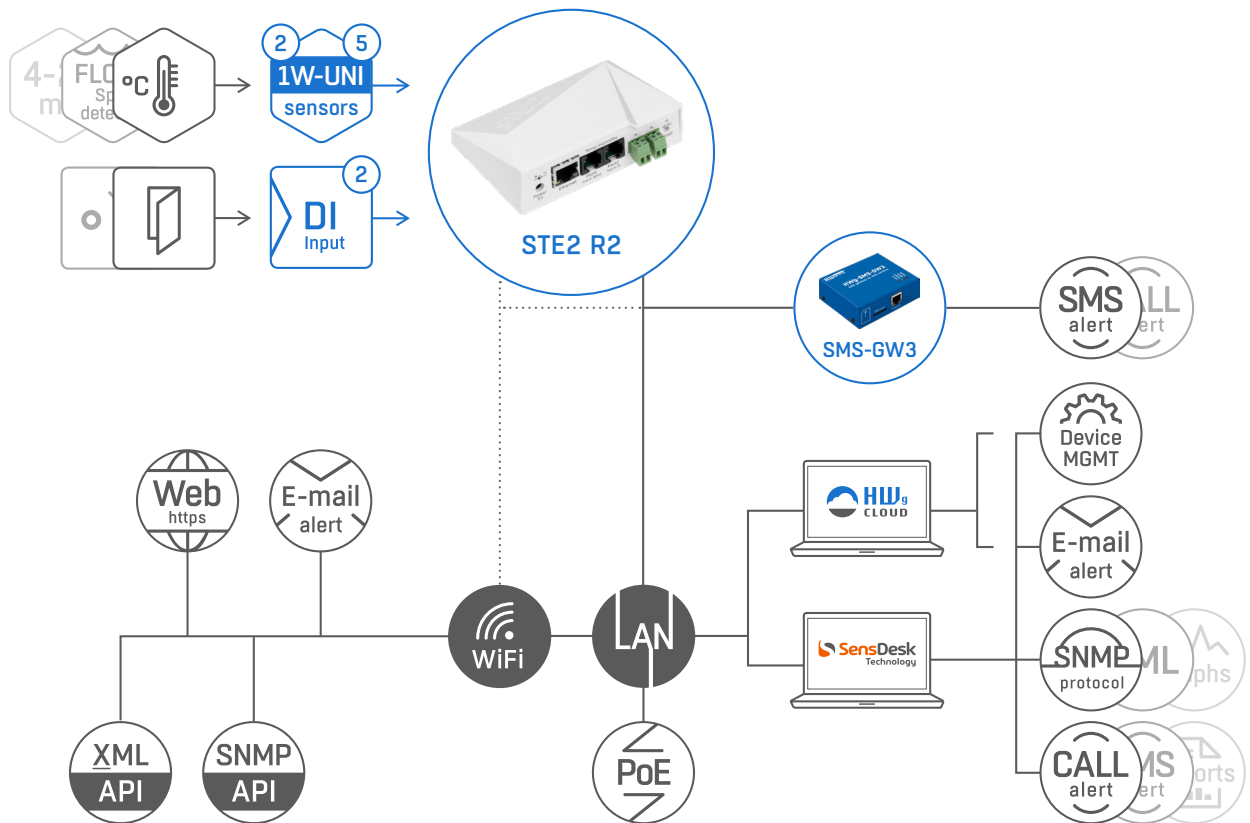
Device package contains (international) wall plug power adapter 5V and 3m RJ11 temperature sensor. Device can be powered from PoE.

You can connect:

Up to 5 sensors values

Temperature (Pt1000)	Relative Humidity	Flood detector
Carbon dioxide	Analog input	Voltage sensor

2× DI (Digital Inputs)

Smoke detector	Power presence	Door contact
Motion detector	Water spot detector	Vibration detector

Portal based features

STE2 R2 can be connected to any SensDesk Technology-based portal to be monitored and managed. Portal centralizes device management, graphs, and alerts by email, SMS or voice calls. PDF reports are also available.

• HWg-cloud.com offers a limited service for free

• SensDesk.com is a paid service

• Portals from local Portal providers are also available

Typical applications

- Remote Server environment monitoring & alerts
- Remote environment monitoring in IT
- Remote air conditioning control (A/C unit cooling failure alert)
- Food / Drug storage (control of storage conditions, creation of HACCP logs using application software)
- Monitoring of temperature, humidity, electric current, CO_2
- Detection of water leakage (spot / sensing cable)

Technical specifications

Technical specifications	
External power	5V Jack Ø 3.5×1.35 mm, PoE RJ-45
Temperature range	Operating: -10 °C – 60 °C
Dimensions / weight	98×68×33 (W×H×D) / 91 g
Conectivity	LAN, WiFi

External sensors and detectors

External sensors and detectors	
Sensor ports	2 RJ11 ports, 5 sensor values in total
Compatible sensors	RJ11 sensors from HW group (1W / 1W-UNI)
Sensors you can monitor	Temperature, Relative Humidity, Voltage, AC / DC Current, Flood detection, CO_2, VoC, Light intensity & many more…
Digital Inputs	2× Dry contact input

Communication

Communication	
M2M Open API	SNMP v1/v2, XML, HWg-Push
Alarms	Email, HWg-Push, SMS & Voice Call (with assistance of SMS-GW3 LTE)

Software / Services

Software / Services	
SensDesk Technology portal	Online remote monitoring service. Graphs, alerts, device management.
HWg-cloud.com	Free of charge portal service
Mobile App	HWg Monitor
Other software	3rd party software, HWg-SDK

Related products

SMS-GW3 LTE

Central text message (SMS) gateway that HWg devices and applications in the same network can use to dial numbers or send SMS alerts.

Temp 1Wire Pt100

High precision temperature sensor -50 °C to +200 °C – ideal temperature sensor for storages, food processing, freezers, medical and laboratory environments, agriculture and industrial applications.

Temp-1Wire-Flat

Temperature probe -30 °C to +60 °C for use in pharmaceutical or food industry (refrigerators). A flat connection cable can be routed under the door seal.

Standalone Monitoring

www.HW-group.com