STE2 PLUS

Professional environment monitoring for 15 sensor values.

Professional product with SNMP v3, SNMP Traps or IPv6.

SNMP trap

IPv6

LAN WiFi

PoE

SNMP API

You can connect:

Up to **15** sensors values

°C Temperature (Pt1000)

%RH Relative Humidity

FLOOD Spot detector — Flood detector

CO₂ Carbon dioxide

4-20 mA Analog input

V Voltage sensor

2× DI (Digital Inputs)

Smoke detector

W Power presence

Door contact

(↔) Motion detector

WATER Spot detector — Water spot detector

Vibration detector

STE2 PLUS is a professional LAN & WiFi remote sensor monitoring product. Higher security is available with SNMPv3, HTTPS custom certificates and IPv6. External sensors (15 values) for 2× RJ11 ports & detectors to 2× DI (Digital Input).

Whenever the temperature is too high or too low (door opened), an Alert is sent. STE2 PLUS support also sends SNMP Traps. Email alerts can be sent directly from the device (SMTP) or from the Portal service (also SMS, ring-out, and device-disconnected alerts).

Even without Portal service, the device can send alerts via an external SMS gateway device on the LAN.

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. One physical sensor can measure several values (ºC + %RH + VoC = 3 values). With VDO (Virtual Digital Outputs), external relay outputs can be controlled based on the sensor value.
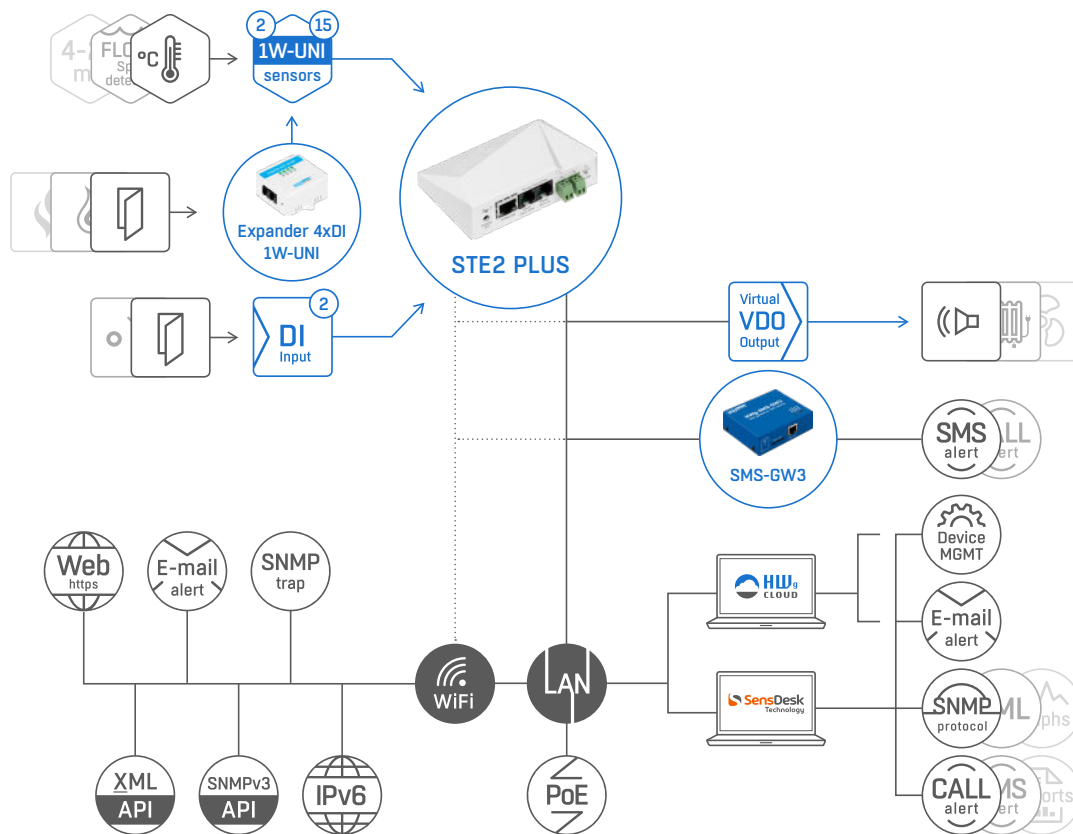
The device package contains an (international) wall plug power adapter (5V) and 3m RJ11 temperature sensor. Device can be powered from PoE.

Portal based features

Graphs

alert

Reports

Device MGMT

SaaS

Users MGMT

E-mail alert

STE2 PLUS 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 technical rooms monitoring
- Drug storage with reports from Portal
- Food storage (control of storage conditions, creation of HACCP logs using application software)
- Building environment monitoring
- Remote monitoring of refrigerator or freezer (alert when refrigerator fails, logging of operating and storage conditions)
- Detection of water flooding (spot / sensing cable)
- Heating and A/C optimization (cost savings)

Related products

HTemp-1Wire-Box2

Wall mount Temperature and Relative Humidity sensor. Easy to daisy-chain.

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.

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.

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

Sensor ports	2 RJ11 ports, 15 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

M2M Open API	SNMP v1/v2, SNMP v3, XML, HWg-Push
Alarms	Email, SNMP Traps, HWg-Push, SMS & Voice Call (with assistance of SMS-GW3 LTE)
Features	IPv6, VDO (Virtual Digital Outputs)

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

Standalone Monitoring