HWgroup®

STE2 r2

WiFi / Ethernet thermometer with DI inputs

https | DIGITAL input (2) | E-mail alert (2) | SNMP

TLS | PoE | Web server | SMS gateway

STE2 r2 is a LAN / WiFi thermometer with up to 5 RJ11 external sensors (Humidity, WLD Water Leak Detection, Light Sensor, Voltage, …). Thermometer has a web interface, when the sensor value is out of range (high temperature) it sends an email. It can alert you also by SMS or makes a phone call (requires external SMS LTE gateway). The smoke detector, motion or open door detectors can be connected to 2 DI (Digital Inputs).

STE2 r2 can be connected to the SensDesk portal, it simplifies larger installations. Web portal centralizes temperature graphs, alerts by email, SMS or calls in case of disconnect device. SensDesk stores historical data or periodically emails PDF reports with graphs.

You can connect:

Up to 5 sensors

- Temperature (Pt1000)
- Relative Humidity
- Carbon dioxide (CO_2)
- Water Leak Detection
- Atmospheric pressure (Pa)
- Current (4-20 mA)
- Voltage sensor (V)

2× DI (Digital Inputs)

- Power presence (W)
- Smoke detection
- Door contact

SensDesk
- Central sensors service
- SMS & Call alerts
- Graphs & PDF reports

Heating optimisation
Remote monitoring of a heating system, alert by e-mail or SMS to the danger of frost. (E-mail-2-SMS).

Air-conditioning failure alert
Changes in temperature point to a failure of an A/C unit.

Monitoring of refrigerator or freezer
Sends e-mail if the refrigerator fails. Logs operating and storage conditions.
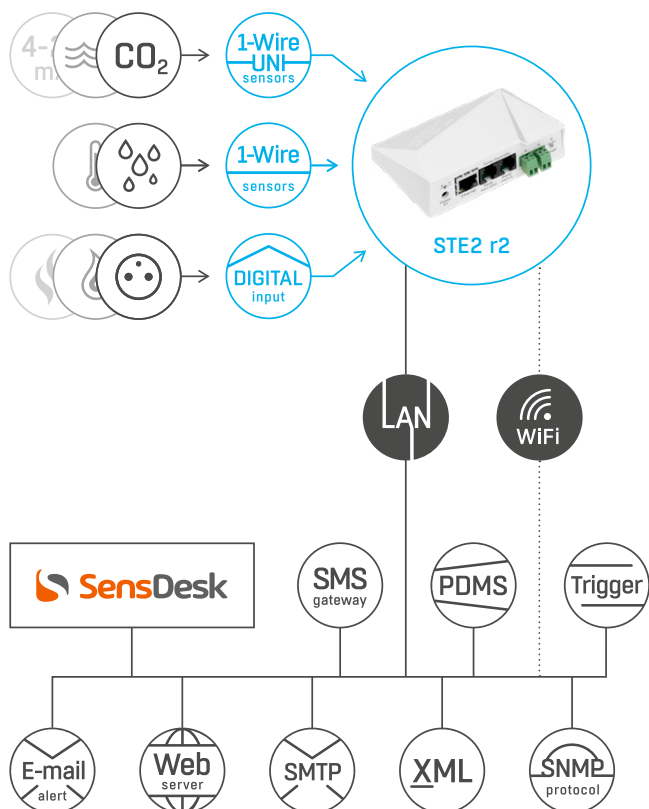
Big variation of sensors
You can connect all RJ11 (1-Wire & 1-Wire UNI) sensors from HW group portfolio. It's new since STE revision 2.

HWg-PDMS
The HWg-PDMS software makes it easy to create reports with temperature graphs in one or more locations. You have control over your enviromental conditions.

Key features:

- Up to 5 sensors of any RJ11 type
- Can send you SMS or call you to your mobile via SMS-GW device or SensDesk.com service
- Includes standard Ethernet and Wi-Fi - 802.11 b/g/n (2.4GHz)
- 5V power supply or PoE
- Simple installation, supports DHCP
- Built-in WEB server with HTTPS support
- NMS connectivity (SNMP MIB)
- Sends e-mail at too high / low temperature
- Support for TLS authentication (Gmail)
- Supplied with Windows software HWg-PDMS for graphing and data export to MS Excel
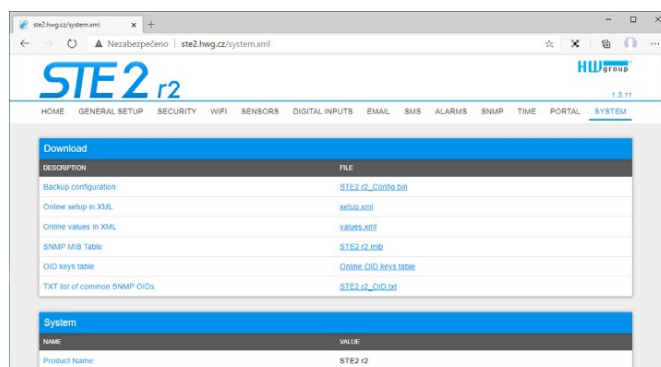
Conectivity	
Ethernet	RJ45 (100BASE-T), supports PoE (IEEE 802.3af)
WiFi	Internal antenna, 2.4GHz, 802.11 b/g/n
WEB	Built-in WEB server with HTTPS support
SNMP	Version 1 fully supported, some parts of version 2

External sensors	
Sensors	2× RJ11 – max. 5 sensor values (1Wire & 1Wire-UNI)
DI input	2× DI (Digital Input) for potential-free contact

Communication	
M2M protocols	SNMP v1/v2, XML, HWg-Push
Alarms	E-mail, HWg-Push, SMS (with assistance of SMS-GW3 LTE)

Supported software	
SensDesk.com	Online remote monitoring service. Graphs, alerts, device management.
HWg-Trigger	Redirection of alarms to SMS, Pop-up, shutdown PC
HWg-PDMS	Logging, graphs, export to MS Excel
Other software	3rd party software, HWg-SDK

Parameters	
Power supply	5 V / barrel jack (inner Ø 1.35 mm, outer Ø 3.5 mm)
Temperature range	Operating: -10°C – 60°C / 0%RH – 95%RH Storage: -30°C – 60°C / 0%RH – 95%RH
Dimensions	65×80×30 mm
Weight	500 g

Package contents:

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