

# STE2

WiFi / Ethernet thermometer with DI inputs



-  Temperature
-  Humidity
-  Digital inputs
-  Email alert
-  SNMP
-  TLS
-  PoE
-  Web Server
-  HWg Push

*STE2 is a device that supports SNMP, designed for temperature and humidity measurements from external sensors and the ability to connect to the Internet via standard cable or Wi-Fi. When the permitted range of values is exceeded the device allows alarm messages to be sent by e-mail (TLS), the SensDesk portal (HWg Push). The package includes a power adapter and temperature sensor.*

<p><b>Air-conditioning failure</b></p> <p>Changes in temperature point to a failure of an A/C unit.</p>	<p><b>Heating optimisation</b></p> <p>Remote monitoring of a heating system, alert by e-mail or SMS to the danger of frost. (Email-2-SMS)</p>
<p><b>HVAC supervision</b></p> <p>Remote control of HVAC, email alert, or SMS (e-mail-2-SMS/HWg-SMS-GW3).</p>	<p><b>HWg-PDMS</b></p> <p>The HWg-PDMS software makes it easy to create reports with temperature graphs in one or more locations. You have control over your environmental conditions.</p>
<p><b>Monitoring of refrigerator or freezer</b></p> <p>Sends e-mail if the refrigerator fails. Logs operating and storage conditions.</p>	<p><b>Food storage</b></p> <p>Oversees optimal storage conditions. Using application software, you can create HACCP protocols.</p>

## KEY FEATURES:

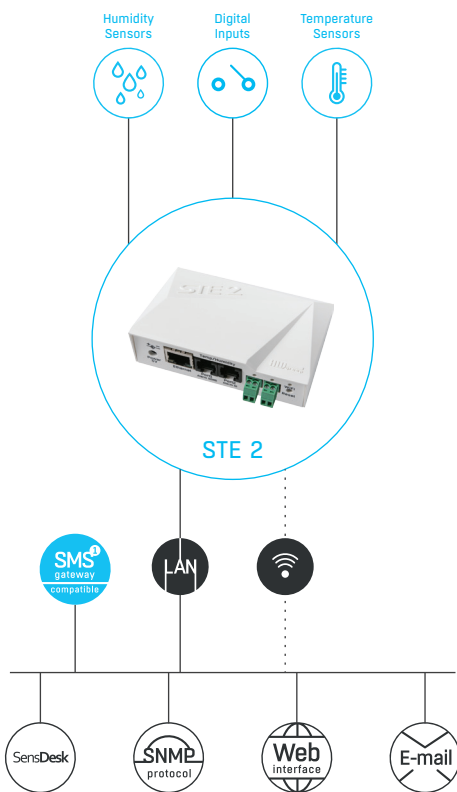
- Includes standard Ethernet and Wi-Fi - 802.11 b/g/n (2.4GHz)
- Supports simultaneous operation of Ethernet and Wi-Fi (for easy configuration)
- 5V power supply or PoE
- Simple installation, supports DHCP
- Built-in WEB server - no need for software other than a standard Web browser
- NMS connectivity (SNMP MIB)
- Sends e-mail at too high / low temperature
- Support for TLS authentication (Gmail)
- Security password protected
- Supplied with Windows software HWg-PDMS for graphing and data export to MS Excel

Connectivity	
Ethernet	RJ45 (100BASE-T), supports PoE (IEEE 802.3af)
WiFi	Internal antenna, 2.4GHz, 802.11 b/g/n
WEB	Built-in web server
SNMP	Version 1 fully supported, some parts of version 2

External sensors	
Sensors	2x RJ11 (Max. 3 temperature or humidity sensors)
DI input	2x input for potential-free contact

Communication	
M2M protocols	SNMP, XML, HWg-Push
Alarms	Email, HWg-Push, SMS (with assistance of HWg-SMS-GW3)

Supported software	
HWg-Trigger	Redirection of alarms to SMS, Pop-up, shutdown PC
HWg-PDMS	Logging, graphs, export to MS Excel
Other software	3rd side software, HWg-SDK



The screenshot shows the STE 2 web interface in a browser window. The address bar shows '192.168.100.123/home.xml'. The page title is 'STE2' and the HW group logo is visible in the top right corner. The navigation menu includes: HOME, GENERAL SETUP, WIFI, SENSORS, DIGITAL INPUTS, EMAIL, SNMP, TIME, PORTAL, SYSTEM. The main content area is divided into two sections: 'Base Information' and 'Sensors & Digital Inputs'.

Base Information	
Device Name	STE2
Time	20:24:46
Date	13.03.2016

Sensors & Digital Inputs			
STATE	NAME	TYPE	CURRENT VALUE
Normal	Temperature	Temp.	25.0 °C
Normal	Humidity	Humidity	50.1 %RH
Normal	Input 1	Input Dry Contact	0 (Open)
Normal	Input 2	Input Dry Contact	0 (Open)

