



Promo materials 2022

Portfolio

Promo materials

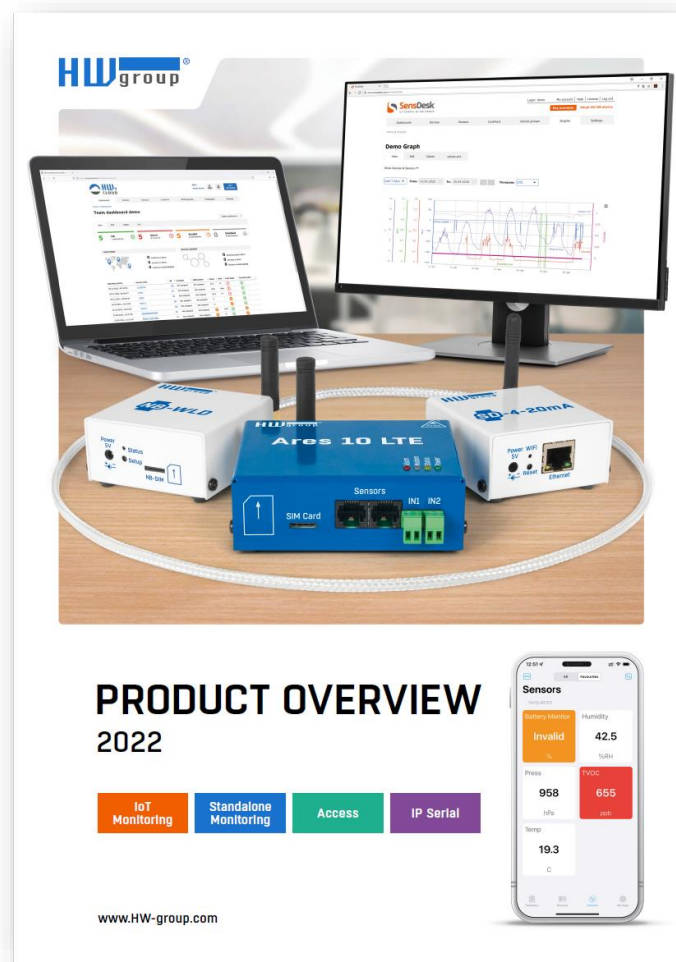
- Overview Catalog
- Flyers
- Posters
- Roll-ups



Overview Catalog (210x297 mm)

- 64 pages

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Front page

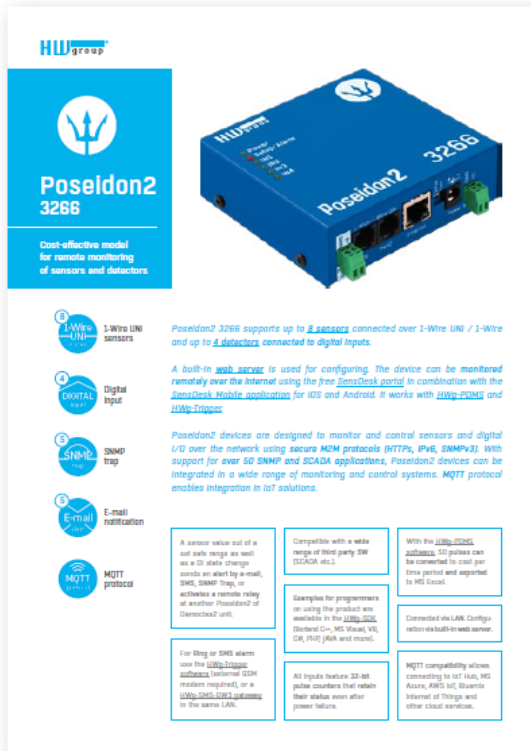


Back page

Flyer A4 (210x297 mm)

Poseidon2 3266 (double sided)


Poseidon2 3268 (double sided)



HWgroup

Poseldon2 3266

Cost-effective model for remote monitoring of sensors and detectors



1-Wire LIN sensors

Digital input

SNMP trap

E-mail notification

MQTT protocol

Typical application examples

- Remote environmental monitoring in a cabinet, server room or a datacenter
- UPS / back-up generator monitoring
- Industrial applications
- HVAC monitoring
- Cooler and freezer monitoring + alarm indication
- Security and surveillance systems
- Smart buildings

General

LAN	10/100/1000 Mbps
Supported protocols	MQTT (B2), SNMP, ONVIF, 1-Wire, RS485, Modbus/RTU, HTTP, FTP, SFTP, SSH, Telnet

Inputs

Sensors	1x 1-Wire LIN / 3-Wire
Detectors	1x digital input with 32 pulse counters

Outputs

Digital Outputs (DO)	2x Relay Output 220V AC
Virtual Digital Outputs (VDO)	1x CAN be configured to emulate Poseidon2 or Domeloc2 units

Dimensions / mass

Dimensions	33x45x40mm
Weight	300g
Mounting	Panel

Power

Internal memory	256,000 records
Recorded values	16, 320
Power	0-30 V DC (PWR optional)


User Interface

- Built-in Web server: Device configuration and data readings
- SecureShell (SSH) / SecureFile (SFTP) application: Cloud portal for data readings and writing
- MQTT trigger: Alert reduction to SMS, pop-up messages, PC applications
- MQTT trigger: Logging of values, graphs, reports to MS Excel
- Web software: Third-party software, MQTT client

Poseldon2 model comparison

Selected features	3266	3268	3269	3267	3265
Inputs	1x 1-Wire LIN	32	8	4	4
DO	0	2	4	4	4
RS-485	0	0	0	0	0
Relay 220V / 230V	-	2	-	-	-
Outputs	Relay 220V / 230V	4	-	2	-
VDO	0	0	0	0	0
Power	0-30V	✓	✓	✓	✓
Rel	48V	✓	✓	✓	✓
LAN	10/100	✓	✓	✓	✓
Connected	RS-232	✓	✓	✓	✓


Configuration interface



Compatibility

- Compatible with a wide range of third-party IED (SCADA etc.)
- With the **MQTT** protocol, MQTT triggers can be converted to cloud per time period and exported to MS Excel.
- Examples for programmers on using the product are available in the **MQTT** section (Standard Co., MS Visual, VS, C#, PHP (JAV and more)).
- Connected via LAN. Configuration via built-in web server.
- MQTT compatibility allows connecting to IoT hubs, MS Azure, AWS IoT, Okta, Influx, Internet of Things and other cloud services.

Versions and related products



For blog or SMS alerts use the **MQTT protocol. Technical GSM module required, or in **MQTT** section in the same LAN.**

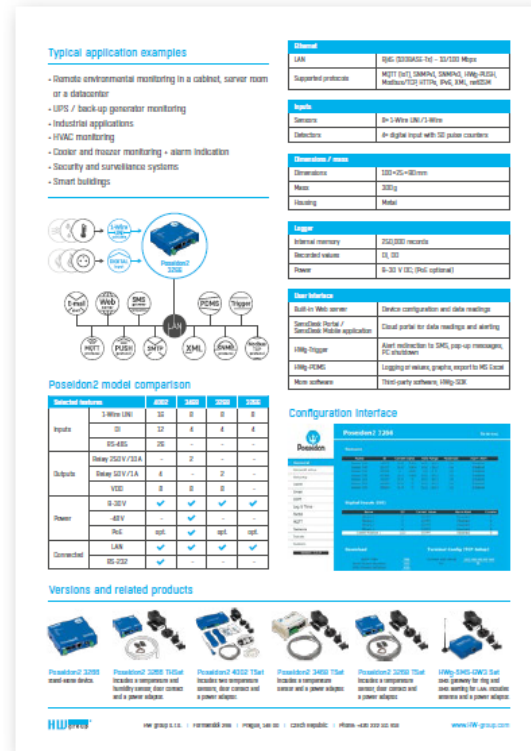
All inputs feature 32-bit pulse counters that retain their status even after power failure.

MQTT compatibility allows connecting to IoT hubs, MS Azure, AWS IoT, Okta, Influx, Internet of Things and other cloud services.

Virtual Digital Outputs (VDO) can be assigned to physical digital outputs (triggers) of other Poseidon2 or Domeloc2 units on the same LAN.

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Front page



HWgroup

Poseldon2 3266

Remote monitoring of sensors and detectors and control of relay outputs



1-Wire LIN sensors

Digital input

Relay output

Virtual output

SNMP trap

E-mail notification

MQTT protocol

Typical application examples

- Remote environmental monitoring in a cabinet, server room or a datacenter
- UPS / back-up generator monitoring
- Industrial applications
- HVAC monitoring
- Cooler and freezer monitoring + alarm indication
- Security and surveillance systems
- Smart buildings

General

LAN	10/100/1000 Mbps
Supported protocols	MQTT (B2), SNMP, ONVIF, 1-Wire, RS485, Modbus/RTU, HTTP, FTP, SFTP, SSH, Telnet

Inputs

Sensors	1x 1-Wire LIN / 3-Wire
Detectors	1x digital input with 32 pulse counters

Outputs

Digital Outputs (DO)	2x Relay Output 220V AC
Virtual Digital Outputs (VDO)	1x CAN be configured to emulate Poseidon2 or Domeloc2 units

Dimensions / mass

Dimensions	33x45x40mm
Weight	300g
Mounting	Panel

Power

Internal memory	256,000 records
Recorded values	16, 320
Power	0-30 V DC (PWR optional)


User Interface

- Built-in Web server: Device configuration and data readings
- SecureShell (SSH) / SecureFile (SFTP) application: Cloud portal for data readings and writing
- MQTT trigger: Alert reduction to SMS, pop-up messages, PC applications
- MQTT trigger: Logging of values, graphs, reports to MS Excel
- Web software: Third-party software, MQTT client

Poseldon2 model comparison

Selected features	3266	3268	3269	3267	3265
Inputs	1x 1-Wire LIN	32	8	4	4
DO	0	2	4	4	4
RS-485	0	0	0	0	0
Relay 220V / 230V	-	2	-	-	-
Outputs	Relay 220V / 230V	4	-	2	-
VDO	0	0	0	0	0
Power	0-30V	✓	✓	✓	✓
Rel	48V	✓	✓	✓	✓
LAN	10/100	✓	✓	✓	✓
Connected	RS-232	✓	✓	✓	✓


Configuration interface



Compatibility

- Compatible with a wide range of third-party IED (SCADA etc.)
- With the **MQTT** protocol, MQTT triggers can be converted to cloud per time period and exported to MS Excel.
- Examples for programmers on using the product are available in the **MQTT** section (Standard Co., MS Visual, VS, C#, PHP (JAV and more)).
- Connected via LAN. Configuration via built-in web server.
- MQTT compatibility allows connecting to IoT hubs, MS Azure, AWS IoT, Okta, Influx, Internet of Things and other cloud services.

Versions and related products



For blog or SMS alerts use the **MQTT protocol. Technical GSM module required, or in **MQTT** section in the same LAN.**

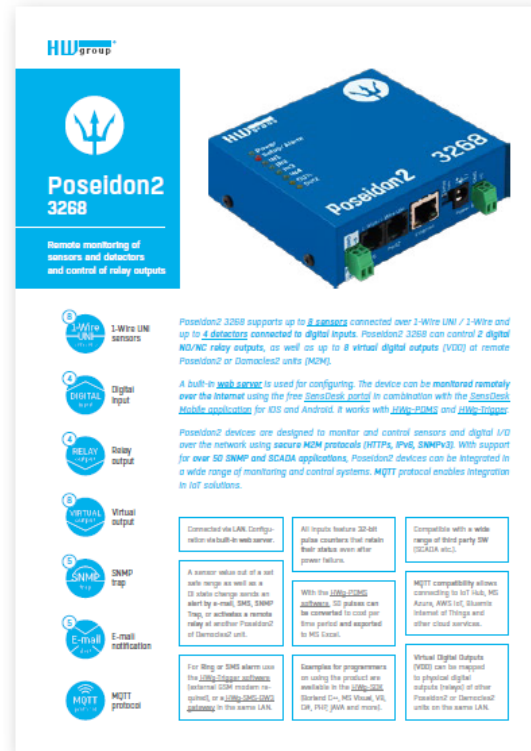
All inputs feature 32-bit pulse counters that retain their status even after power failure.

MQTT compatibility allows connecting to IoT hubs, MS Azure, AWS IoT, Okta, Influx, Internet of Things and other cloud services.

Virtual Digital Outputs (VDO) can be assigned to physical digital outputs (triggers) of other Poseidon2 or Domeloc2 units on the same LAN.

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HWgroup

Poseldon2 3268

Remote monitoring of sensors and detectors and control of relay outputs



1-Wire LIN sensors

Digital input

Relay output

Virtual output

SNMP trap

E-mail notification

MQTT protocol

Typical application examples

- Remote environmental monitoring in a cabinet, server room or a datacenter
- UPS / back-up generator monitoring over the Ethernet
- Industrial applications
- HVAC monitoring
- Cooler and freezer monitoring + alarm indication
- Security and surveillance systems
- Smart buildings

General

LAN	10/100/1000 Mbps
Supported protocols	MQTT (B2), SNMP, ONVIF, 1-Wire, RS485, Modbus/RTU, HTTP, FTP, SFTP, SSH, Telnet

Inputs

Sensors	1x 1-Wire LIN / 3-Wire
Detectors	1x digital input with 32 pulse counters

Outputs

Digital Outputs (DO)	2x Relay Output 220V AC
Virtual Digital Outputs (VDO)	1x CAN be configured to emulate Poseidon2 or Domeloc2 units

Dimensions / mass

Dimensions	33x45x40mm
Weight	300g
Mounting	Panel

Power

Internal memory	256,000 records
Recorded values	16, 320
Power	0-30 V DC (PWR optional)


User Interface

- Built-in Web server: Device configuration and data readings
- SecureShell (SSH) / SecureFile (SFTP) application: Cloud portal for data readings and writing
- MQTT trigger: Alert reduction to SMS, pop-up messages, PC applications
- MQTT trigger: Logging of values, graphs, reports to MS Excel
- Web software: Third-party software, MQTT client

Poseldon2 model comparison

Selected features	3266	3268	3269	3267	3265
Inputs	1x 1-Wire LIN	32	8	4	4
DO	0	2	4	4	4
RS-485	0	0	0	0	0
Relay 220V / 230V	-	2	-	-	-
Outputs	Relay 220V / 230V	4	-	2	-
VDO	0	0	0	0	0
Power	0-30V	✓	✓	✓	✓
Rel	48V	✓	✓	✓	✓
LAN	10/100	✓	✓	✓	✓
Connected	RS-232	✓	✓	✓	✓


Configuration interface



Compatibility

- Compatible with a wide range of third-party IED (SCADA etc.)
- With the **MQTT** protocol, MQTT triggers can be converted to cloud per time period and exported to MS Excel.
- Examples for programmers on using the product are available in the **MQTT** section (Standard Co., MS Visual, VS, C#, PHP (JAV and more)).
- Connected via LAN. Configuration via built-in web server.
- MQTT compatibility allows connecting to IoT hubs, MS Azure, AWS IoT, Okta, Influx, Internet of Things and other cloud services.

Versions and related products



For blog or SMS alerts use the **MQTT protocol. Technical GSM module required, or in **MQTT** section in the same LAN.**

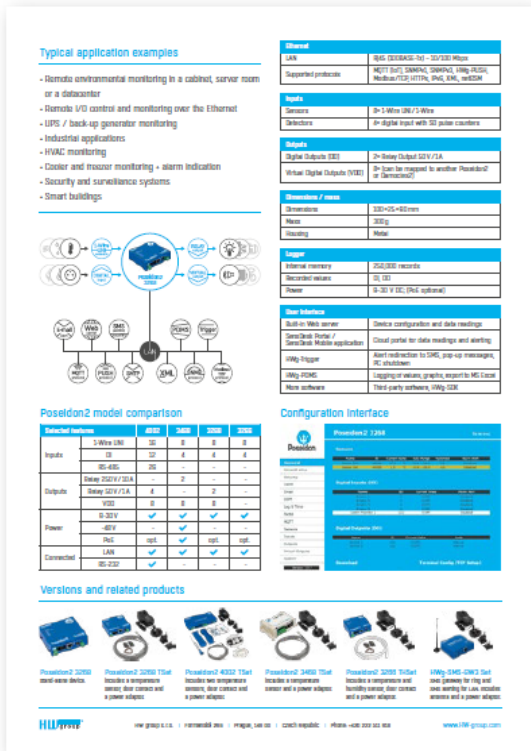
All inputs feature 32-bit pulse counters that retain their status even after power failure.

MQTT compatibility allows connecting to IoT hubs, MS Azure, AWS IoT, Okta, Influx, Internet of Things and other cloud services.

Virtual Digital Outputs (VDO) can be assigned to physical digital outputs (triggers) of other Poseidon2 or Domeloc2 units on the same LAN.

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Front page



HWgroup

Poseldon2 3268

Remote monitoring of sensors and detectors and control of relay outputs



1-Wire LIN sensors

Digital input

Relay output

Virtual output

SNMP trap

E-mail notification

MQTT protocol

Typical application examples

- Remote environmental monitoring in a cabinet, server room or a datacenter
- UPS / back-up generator monitoring over the Ethernet
- Industrial applications
- HVAC monitoring
- Cooler and freezer monitoring + alarm indication
- Security and surveillance systems
- Smart buildings

General

LAN	10/100/1000 Mbps
Supported protocols	MQTT (B2), SNMP, ONVIF, 1-Wire, RS485, Modbus/RTU, HTTP, FTP, SFTP, SSH, Telnet

Inputs

Sensors	1x 1-Wire LIN / 3-Wire
Detectors	1x digital input with 32 pulse counters

Outputs

Digital Outputs (DO)	2x Relay Output 220V AC
Virtual Digital Outputs (VDO)	1x CAN be configured to emulate Poseidon2 or Domeloc2 units

Dimensions / mass

Dimensions	33x45x40mm
Weight	300g
Mounting	Panel

Power

Internal memory	256,000 records
Recorded values	16, 320
Power	0-30 V DC (PWR optional)


User Interface

- Built-in Web server: Device configuration and data readings
- SecureShell (SSH) / SecureFile (SFTP) application: Cloud portal for data readings and writing
- MQTT trigger: Alert reduction to SMS, pop-up messages, PC applications
- MQTT trigger: Logging of values, graphs, reports to MS Excel
- Web software: Third-party software, MQTT client

Poseldon2 model comparison

Selected features	3266	3268	3269	3267	3265
Inputs	1x 1-Wire LIN	32	8	4	4
DO	0	2	4	4	4
RS-485	0	0	0	0	0
Relay 220V / 230V	-	2	-	-	-
Outputs	Relay 220V / 230V	4	-	2	-
VDO	0	0	0	0	0
Power	0-30V	✓	✓	✓	✓
Rel	48V	✓	✓	✓	✓
LAN	10/100	✓	✓	✓	✓
Connected	RS-232	✓	✓	✓	✓


Configuration interface



Compatibility

- Compatible with a wide range of third-party IED (SCADA etc.)
- With the **MQTT** protocol, MQTT triggers can be converted to cloud per time period and exported to MS Excel.
- Examples for programmers on using the product are available in the **MQTT** section (Standard Co., MS Visual, VS, C#, PHP (JAV and more)).
- Connected via LAN. Configuration via built-in web server.
- MQTT compatibility allows connecting to IoT hubs, MS Azure, AWS IoT, Okta, Influx, Internet of Things and other cloud services.

Versions and related products



For blog or SMS alerts use the **MQTT protocol. Technical GSM module required, or in **MQTT** section in the same LAN.**

All inputs feature 32-bit pulse counters that retain their status even after power failure.

MQTT compatibility allows connecting to IoT hubs, MS Azure, AWS IoT, Okta, Influx, Internet of Things and other cloud services.

Virtual Digital Outputs (VDO) can be assigned to physical digital outputs (triggers) of other Poseidon2 or Domeloc2 units on the same LAN.

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Flyer A4 (210x297 mm)

Poseidon2 3468 (double sided)

HWgroup

Poseidon2 3468

Remote monitoring and control for industrial applications with 230V / 38 A relay outputs



- 1-Wire LIN sensors
- Digital input
- Relay output
- Virtual output
- SNMP trap
- E-mail notification
- MQTT protocol
- 48V power

Poseidon2 3468 supports up to 8 sensors connected over 1-Wire LIN / 1-Wire and up to 4 detectors connected to digital inputs. Poseidon2 3468 can control 2 digital 230 V / 38 A relay outputs, as well as up to 8 virtual digital outputs (VDO) at remote Poseidon2 or Damocles2 units (MCM).

In addition to the standard 9-30 V power input, Poseidon2 3468 can be powered from 48 V to enable easy use in Telco solutions.

A built-in web server is used for configuring. The device can be monitored remotely over the internet using the free [SmartWeb portal](#) in combination with the [SmartWeb Mobile application](#) for iOS and Android. It works with [ZigBee-FRMS](#) and [ZigBee-Tracker](#).


Poseidon2 devices are designed to monitor and control sensors and digital I/O over the network using secure M2M protocols (HTTP, IPv6, SNMPv3). With support for over 50 SNMP and SCADA applications, Poseidon2 devices can be integrated in a wide range of monitoring and control systems. MQTT protocol enables integration in IoT solutions.

Connected via LAN. Configuration via built-in web server.	All inputs feature 32-bit pulse counters that retain their status even after power failure.	Compatible with a wide range of third party SW (SCADA, etc.).
A sensor value out of a set value range as well as a 32-bit status change can be alert by e-mail, SMS, SNMP Trap, or activated a remote relay at another Poseidon2 or Damocles2 unit.	With the ZigBee-FRMS and ZigBee-Tracker 32 pulses can be connected to coil per time period and reported to M2M cloud.	MQTT compatibility allows connecting to IoT FAAs, MS Azure, AWS IoT, Siemens InRoads IoT things and other cloud services.
For Ring or SMS alarm use the ZigBee-Tracker (external GSM modem required) or ZigBee-FRMS gateway in the same LAN.	Examples for programmers on using the protocol are available in the ZigBee-FRMS (Standard Co., MS Visual, V6, C#, PHP, Java and more).	Virtual Digital Outputs (VDO) can be mapped to physical digital outputs (digital) of other Poseidon2 or Damocles2 units on the same LAN.

Front page

Typical application examples

- Remote environmental monitoring in a cabinet, server room or a datacenter
- Remote I/O control and monitoring over the Ethernet
- UPS / back-up generator monitoring
- Industrial and telco applications
- HVAC monitoring
- Cooler and freezer monitoring + alarm indication
- Security and surveillance systems
- Smart buildings



Channel	HWgroup
LAN	Web: Standard, Tel: 24/7/365 Hours
Supported protocols	MQTT (TCP), SNMPv3, SCADA, Modbus/RTU, Modbus/TCP, HTTP, IPv6, IEC, IEC, Modbus
Sensors	1-Wire LIN / 1-Wire
Detectors	48 digital input with 32 pulse counters
Relays	2x Relay Output 230V / 38 A
Digital Outputs (DO)	8x DO (can be mapped to another Poseidon2 or Damocles2)
Virtual Digital Outputs (VDO)	8x VDO (can be mapped to another Poseidon2 or Damocles2)
Dimensions / mass	Dimensions: 100x100x30mm Mass: 250g Mounting: DIN-rail
Power	Internal memory: 256,000 records Recorded status: 16, 100 Power: 9-30V DC, 48V, PoE


Use internet:

- Built-in Web server: Device configuration and data readings
- SmartWeb Portal / SmartWeb Mobile application: Cloud portal for data readings and alerting
- MQTT-Tracker: Alert indication to SMS, pop-up messages, PC, etc.
- MQTT-FRMS: Configuration, status, graphs, reports to MS Cloud
- MQTT-Tracker: Third party software, MQTT-GSM


Poseidon2 model comparison

Selected features	4002	3468	3268	3268
Inputs	2	2	4	4
DO-48V	2	2	2	2
Relay 230V / 38 A	0	0	2	2
DO-230V	0	0	0	0
DO-230V	0	0	0	0
Power	48V	48V	48V	48V
LAN	opt	opt	opt	opt
Connected	RS-485	opt	opt	opt

Configuration interface



Versions and related products



- Poseidon2 3468: Standard version
- Poseidon2 3468 15at: Includes a separate antenna and a power adapter
- Poseidon2 4002 15at: Includes a separate antenna, coil contact and a power adapter
- Poseidon2 3268 15at: Includes a separate antenna, coil contact and a power adapter
- Poseidon2 3268 15at: Includes a separate antenna, coil contact and a power adapter
- HWy-SMS-GW2 Set: One gateway for ring and one gateway for ring and one gateway for coil contact and a power adapter


Back page

Poseidon2 4002 (double sided)

HWgroup

Poseidon2 4002

Secure solution for remote environment monitoring and control of outputs



- 1-Wire LIN sensors
- Digital input
- RS-485 industrial sensors
- Relay output
- Virtual output
- SNMP trap
- E-mail notification
- MQTT protocol

Poseidon2 4002 can connect up to 32 sensors (16 via 1-Wire LIN / 1-Wire + 16 via RS-485) 32 detectors via digital dry contact inputs (DI), 8 virtual digital outputs and 4 relay outputs (NO/NC). Thanks to its strong security combined with wide selection and high number of I/O, Poseidon2 4002 is a secure solution for remote environment monitoring and control.

A built-in web server is used for configuring. The device can be monitored remotely over the internet using the free [SmartWeb portal](#) in combination with the [SmartWeb Mobile application](#) for iOS and Android. It works with [ZigBee-FRMS](#) and [ZigBee-Tracker](#).

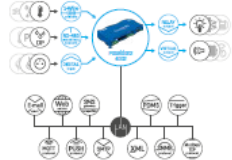
Poseidon2 devices are designed to monitor and control sensors and digital I/O over the network using secure M2M protocols (HTTP, IPv6, SNMPv3). With support for over 50 SNMP and SCADA applications, Poseidon2 devices can be integrated in a wide range of monitoring and control systems. MQTT protocol enables integration in IoT solutions.

Connected via LAN. Configuration via built-in web server.	All inputs feature 32-bit pulse counters that retain their status even after power failure.	Compatible with a wide range of third party SW (SCADA, etc.).
A sensor value out of a set value range as well as a 32-bit status change can be alert by e-mail, SMS, SNMP Trap, or activated a remote relay at another Poseidon2 or Damocles2 unit.	With the ZigBee-FRMS and ZigBee-Tracker 32 pulses can be connected to coil per time period and reported to M2M cloud.	MQTT compatibility allows connecting to IoT FAAs, MS Azure, AWS IoT, Siemens InRoads IoT things and other cloud services.
For Ring or SMS alarm use the ZigBee-Tracker (external GSM modem required) or ZigBee-FRMS gateway in the same LAN.	Examples for programmers on using the protocol are available in the ZigBee-FRMS (Standard Co., MS Visual, V6, C#, PHP, Java and more).	Virtual Digital Outputs (VDO) can be mapped to physical digital outputs (digital) of other Poseidon2 or Damocles2 units on the same LAN.

Front page

Typical application examples

- Remote environmental monitoring in a cabinet, server room or a datacenter
- Remote I/O control and monitoring over the Ethernet
- UPS / back-up generator monitoring
- Industrial applications
- HVAC monitoring
- Cooler and freezer monitoring + alarm indication
- Security and surveillance systems
- Smart buildings



Channel	HWgroup
LAN	Web: Standard, Tel: 24/7/365 Hours
Supported protocols	MQTT (TCP), SNMPv3, SCADA, Modbus/RTU, Modbus/TCP, HTTP, IPv6, IEC, IEC, Modbus
Sensors	32-1-Wire LIN / 1-Wire
Industrial sensors	RS-485
Detectors	32x digital input with 32 pulse counters
Relays	4x Relay Output 230V / 38 A
Digital Outputs (DO)	8x DO (can be mapped to another Poseidon2 or Damocles2)
Virtual Digital Outputs (VDO)	8x VDO (can be mapped to another Poseidon2 or Damocles2)
Dimensions / mass	Dimensions: 100x100x30mm Mass: 250g Mounting: DIN-rail
Power	Internal memory: 256,000 records Recorded status: 16, 100 Power: 9-30V DC, 48V, PoE (optional)


Use internet:

- Built-in Web server: Device configuration and data readings
- SmartWeb Portal / SmartWeb Mobile application: Cloud portal for data readings and alerting
- MQTT-Tracker: Alert indication to SMS, pop-up messages, PC, etc.
- MQTT-FRMS: Configuration, status, graphs, reports to MS Cloud
- MQTT-Tracker: Third party software, MQTT-GSM


Poseidon2 model comparison

Selected features	4002	3468	3268	3268
Inputs	2	2	4	4
DO-48V	2	2	2	2
Relay 230V / 38 A	0	0	2	2
DO-230V	0	0	0	0
DO-230V	0	0	0	0
Power	48V	48V	48V	48V
LAN	opt	opt	opt	opt
Connected	RS-485	opt	opt	opt

Configuration interface



Versions and related products



- Poseidon2 4002: Standard version
- Poseidon2 4002 15at: Includes a separate antenna and a power adapter
- Poseidon2 3468 15at: Includes a separate antenna, coil contact and a power adapter
- Poseidon2 3268 15at: Includes a separate antenna, coil contact and a power adapter
- Poseidon2 3268 15at: Includes a separate antenna, coil contact and a power adapter
- HWy-SMS-GW2 Set: One gateway for ring and one gateway for ring and one gateway for coil contact and a power adapter

Back page

Flyer A4 (210x297 mm)

Damoslec2 MINI (double sided)

The front page of the Damoslec2 MINI flyer features a blue header with the HWgroup logo. Below it, a photograph of the blue MINI device is shown. The text 'Damoslec2 MINI' is prominently displayed, followed by the tagline 'Smart I/O controlled over a LAN'. A vertical sidebar on the left lists supported protocols: Digital inputs, Relay outputs, Pulse counter, Web server, E-mail notifications, SNMP protocol, MQTT protocol, and Modbus TCP protocol. The main body contains several sections: 'Typical application examples' (listing equipment monitoring, smart buildings, LUPS monitoring, security, alarm, and energy metering), 'Basic features of Damoslec2 devices' (describing web-based configuration, status change notifications, and MQTT compatibility), and 'Versions and related products' (showing various models like MINI, MINI out, 1208, 2404, and 2404 out).

Front page

The back page of the Damoslec2 MINI flyer provides technical specifications and configuration details. It includes a diagram of the device's internal connections and a table of 'Typical application examples'. Key technical data is presented in several tables:

- General:** Interface (RS-485/RS-422/RS-485), Supported protocols (Modbus/RTU, IEC 61850, etc.), and SNMP compatibility.
- Digital Inputs (DI):** Part (IL, IL, IL, IL), Type (AI-digital input), and Pulse counter (0-10000).
- Digital Outputs (DO):** Type (DO/DO/DO/DO), Max. load (Max. 2 A/12V or 0.5 A/24V), and Relay.
- Support software:** A list of supported software including IAWg Trigger, IAWg POMS, IAWg IEC, and IAWg IEC.
- Dimensions:** 100x100 mm and Weight: 300 g.

 A screenshot of the 'Configuration interface' shows a web-based control panel. The bottom section, 'Versions and related products', includes a table comparing features like 'Extended IP filter', 'SNMPv3', and 'Web server' across different models.

Back page

Damoslec2 1208 (double sided)

The front page of the Damoslec2 1208 flyer features a white header with the HWgroup logo. Below it, a photograph of the white 1208 device is shown. The text 'Damoslec2 1208' is prominently displayed, followed by the tagline 'Industrial I/O with enhanced IP security and DC outputs'. A vertical sidebar on the left lists supported protocols: Digital inputs, Open collector outputs, Pulse counter, Web server, E-mail notifications, SNMP protocol, MQTT protocol, and Modbus TCP protocol. The main body contains several sections: 'Typical application examples' (listing equipment monitoring, smart buildings, LUPS monitoring, security, alarm, and energy metering), 'Basic features of Damoslec2 devices' (describing web-based configuration, status change notifications, and MQTT compatibility), and 'Versions and related products' (showing various models like 1208, 1208 out, 2404, and 2404 out).

Front page

The back page of the Damoslec2 1208 flyer provides technical specifications and configuration details. It includes a diagram of the device's internal connections and a table of 'Typical application examples'. Key technical data is presented in several tables:

- General:** Interface (RS-485/RS-422/RS-485), Supported protocols (Modbus/RTU, IEC 61850, etc.), and SNMP compatibility.
- Digital Inputs (DI):** Part (IL, IL, IL, IL), Type (AI-digital input), and Pulse counter (0-10000).
- Digital Outputs (DO):** Type (DO/DO/DO/DO), Max. load (DC: max. 500 mA / resistor, max. 1.500 mA / all outputs), and Relay.
- Support software:** A list of supported software including IAWg Trigger, IAWg POMS, IAWg IEC, and IAWg IEC.
- Dimensions:** 100x100 mm and Weight: 300 g.

 A screenshot of the 'Configuration interface' shows a web-based control panel. The bottom section, 'Versions and related products', includes a table comparing features like 'Extended IP filter', 'SNMPv3', and 'Web server' across different models.

Back page

Flyer A4 (210x297 mm)

Damocles2 2404 (double sided)

Damocles2 2404
Secure Industrial I/O with PoE and voice -48V power options

- Digital inputs
- Relay outputs
- Pulse counter
- Web server
- E-mail notifications
- SNMP protocol
- MQTT protocol
- Modbus TCP protocol

Damocles2 2404 provides 24 digital inputs (DI) for dry contact detectors. All digital inputs feature 500 pulse counters with a memory to connect water, gas, electricity or other meters. Damocles2 2404 controls 4 digital relay outputs (DO). A built-in web server is used for configuring. The device can be monitored remotely over the Internet using the SensDesk portal or the SensDesk Mobile app. Thanks to 8-30V DC, -48V and PoE power options, Damocles2 2404 can be deployed in a wide range of scenarios.

Damocles2 devices are designed to monitor and control digital I/O over the network using secure M2M protocols (HTTPs, IPsec, SNMPv3). With support for over 50 SNMP and SCADA applications, Damocles2 devices can be integrated in a wide range of monitoring and control systems. MQTT protocol enables integration in IoT solutions.

Basic features of Damocles2 devices:

- Web-based configuration
- All inputs feature 32-bit pulse counters that retain their value even if the power fails
- Supports "SMS - Blast" function
- When a DI state changes, the device sends an e-mail, SMS, SNMP Trap, or activates a remote relay or another Damocles2 unit
- With the HWg-PDMS software, 32 pulses can be connected to relay and exported to MS Excel
- MQTT compatibility allows connecting to IoT hubs, MS Azure, AWS IoT, Insteon, Internet of Things and other cloud services
- To send an alarm SMS whenever a DI state changes, use the HWg-Trigger software, or a HWg-SMS-GW gateway in the same LAN
- Examples for programmers on using the HWg-SDK (Standard C++, MS Visual C#, C#, PHP (Java and more))
- Supports up to 8 virtual digital outputs (VDO) that can be mapped to physical digital outputs (relays) or other Damocles2 units on the network

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Typical application examples

- Remote equipment monitoring
- Smart buildings
- UPS monitoring
- Security and surveillance systems
- Alarm indication
- Energy consumption metering
- Connecting external inputs to SCADA systems

General

Reference: HWg-D2404S1-04-10-2500 Mini, supports PoE (check our Ethernet)

Supported protocols: Modbus/TCP, HTTP, MQTT, SNMP, IEC61850, HWg-PDMS, SNMPv3

SNMP compatibility: v1, v2c, v3 (see HWg-D-01)

Digital Inputs DI

Type: 1 - DI

Type: 24-digital input (supports NPN/NO dry contact)

Pulse counter: 32-bit

Digital Outputs DO

Type: 1 - DO

Type: 4x DO (relays, 2x DO (new connecting COM REL))

Max. load: Max. 4A/250V

Power

Power supply: 8V-30V DC, 24V DC

Electrical input: 24V DC

Power: 0-30W DC, 48V PoE

Supported software

HWg-Trigger: Alert indication to SMS, pop-up messages, email

HWg-PDMS: Logging of values, graphs, export to MS Excel

Max software: Third party software, HWg-SDK

Dimensions/size

Dimensions: 178x65x28 mm

Mass: 80 g

Configuration interface

Main changes in the 2nd generation

Extended IP filter	IP gateway	Relay output
SNMPv3	✓	✓
HWg-SDK (SensDesk portal)	✓	✓
Modbus (HWg-SMS-GW)	✓	✓
Relay output (SMS)	✓	✓
Pulse counter (32-point)	✓	✓
HTTP	✓	✓
SMS	✓	✓
MQTT (not pushed)	✓	✓
Group Alarm	✓	✓

Versions and related products

- Damocles2 2404: 24 DI, 4 DO, 8-30V DC, 48V PoE, supports PoE
- Damocles2 2404-04: 4 DI, 4 DO, 8-30V DC, 48V PoE, supports PoE
- Damocles2 2404-08: 8 DI, 8 DO, 8-30V DC, 48V PoE, supports PoE
- Damocles2 2404-16: 16 DI, 16 DO, 8-30V DC, 48V PoE, supports PoE
- HWg-SMS-GW: SMS gateway for HWg and other software
- HWg-Trigger: Alert indication software
- HWg-PDMS: Logging software
- HWg-SDK: Software development kit

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WLD2 (double sided)

WLD2
Quad water leak detector with WiFi and Ethernet. Support for WWW, SNMP and PoE.

- Water Leak Detection
- E-mail notification
- SMS gateway
- Virtual output
- SNMP trap
- Web server
- WLD2
- StandDesk portal
- LAN
- Ethernet
- PoE (power over ethernet)

WLD2 is a WiFi/Ethernet water leak detector with support for WWW, SNMP, e-mails and PoE. It uses up to 4 very sensitive sensing cables. Alarms are triggered by even the smallest volumes of liquids, such as condensation from A/C pipes or water leaks in general. You will receive alarms before costly damages occur. In addition to flooding, the device also detects disconnected or damaged sensing cables for increased reliability.

Compared to HWg-WLD, up to 4 independent detecting cables can be connected to the WLD2 to help locate the leak more accurately.

Thanks to WiFi connectivity, the WLD2 water leak detector can be installed in remote places. In case of flooding it can send an alert via e-mail, SNMP trap or the SensDesk cloud. With an external SMS gateway by HW group it can send a text message or dial a phone number.

Flooding can be also indicated by switching a remote output (e.g. a relay) over the network (Max-2-Box mode) with a PossiBus2 or Damocles2 unit, independently for each sensing cable.

Each detector circuit can consist of up to 85 m of sensing cables + up to 100m of connecting cables.

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Typical application examples

- Water detection under raised floors
- Leaky pipe detection (cable wrapped along the pipe)
- Protection against floods from skylights - sensing cable installed along the walls
- Detection of water leaks in drip trays
- Detection of water leaks under air-conditioning outlets

WLD2 supports the creation of virtual digital outputs (VDO) of the source of a liquid leak.

General

Reference: HWg-WLD2S1-04-10-2500 Mini, supports PoE (check our Ethernet)

Supported protocols: Modbus/TCP, HTTP, MQTT, SNMP, IEC61850, HWg-PDMS, SNMPv3

SNMP compatibility: v1, v2c, v3 (see HWg-D-01)

Digital Inputs DI

Type: 1 - DI

Type: 4x DI (relays, 2x DI (new connecting COM REL))

Max. load: Max. 4A/250V

Power

Power supply: 8V-30V DC, 24V DC

Electrical input: 24V DC

Power: 0-30W DC, 48V PoE

Supported software

HWg-Trigger: Alert indication to SMS, pop-up messages, email

HWg-PDMS: Logging of values, graphs, export to MS Excel

Max software: Third party software, HWg-SDK

Dimensions/size

Dimensions: 178x65x28 mm

Mass: 80 g

Configuration interface

Comparison of HWg-WLD and WLD2

Function	HWg-WLD	WLD2
WLD cables	1	4
Ethernet	✓	✓
WiFi	✓	✓
HTTP	✓	✓
External software	✓	✓
SNMP	✓	✓
StandDesk support	✓	✓
PoE	✓	✓
Relay outputs	1	4

Related products

- WLD2 sensing cable A - 2-10m: water leak detection cable in the length of 2m, supported by a network of connecting cables. For use with water leak, HWg-WLD and other HWg-WLD2 units.
- WLD2 sensing cable B - 2-10m: water leak detection cable in the length of 2m, supported by a network of connecting cables. For use with water leak, HWg-WLD and other HWg-WLD2 units.
- WLD A probing cable 5m: water leak detection cable in the length of 5m, supported by a network of connecting cables. For use with water leak, HWg-WLD and other HWg-WLD2 units.
- SNMS-DMS-LTE: SMS gateway for sending alarm messages from HWg-WLD2 units.

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Flyer A4 (210x297 mm)

HWg-STE (double sided)

HWgroup

HWg-STE

Web thermometer with Ethernet and software for creating MS Excel reports



- E-mail alerts
- Temperature
- Humidity
- Web server
- Password protection
- SNMP
- Easy installation

HWg-STE monitors temperature and humidity using external probes, supports SNMP and connects to the Internet through an Ethernet network. Get immediately notified via e-mail whenever the monitored values exceed the allowed range.

HWg-STE supports up to three sensors connected over the 1-Wire bus. A built-in web server is used for configuring. The device can be monitored remotely over the internet. It is supplied with the free HWg-PDMS software for creating graphs and exporting data to MS Excel.

Food storage Diverses optimal storage conditions. With application software, HACCP reports can be created.	Service provision With the supplied HWg-PDMS software, easily create reports with temperature charts for one or more locations. Monitor the quality of outsourced services.	HVAC monitoring Monitor HVAC systems remotely, get alerted by e-mail or text messages.
Heating optimization Save on heating and air-conditioning costs.	Detecting A/C problems Temperature changes may point to a malfunctioning air-conditioning unit.	Supplied with an AC adapter and a temperature sensor.
Easy installation, DHCP support.	Easily create temperature graphs in MS Excel.	


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Basic features

- No SW necessary, built-in web server
- Easy installation, DHCP support
- Connects to NMS (SNMP MIB)
- Resolution: 0.1 °C, supports °C/°F or °F
- Sends e-mail if the temperature is too high/ too low
- Security ensured with a password
- Temperature range of the standard sensor: -10 °C to 80 °C, outdoor version: -30 °C to 125 °C
- In addition to the supplied sensor, a second temperature or humidity sensor can be connected
- Supplied with the HWg-PDMS software for Windows for plotting charts and exporting data to MS Excel

Parameters	
Channel	100 MHz
IP protocol	AES 128/256/51201 (SMTP, LDAP, SNMP)
DHCP for IP assignment	Yes
SNMP	Port 161, for 1.3.6.1.2.1 (standard)
MIB protocol	MIB, MIB2, SNMP
Accuracy	±0.1°C / 0.2°F to ±0.2°C / 0.4°F (±0.1°C to ±0.2°C)
Power	2xV2W
Operating temperature	-10°C to 80°C

Configuration interface



Related products

- Temp 1-Wire Flat 3m
- Temp 1-Wire Stick 3m
- UPS 12V and 5V
- HWg-PDMS

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STE2 r2 (double sided)

HWgroup

STE2 r2

Standalone Monitoring

STE2 r2 is a WiFi/LAN SNMP thermometer with RJ11 external sensors and 2x DI inputs.

Temperature sensor included. Sends alert messages in case of an alarm (email, SMS, voice calls).



- PoE
- E-mail alert
- SNMP protocol

You can connect:

Up to 5 sensors values

- Temperature (Pt100)
- Relative Humidity
- Carbon dioxide
- Current
- 2x DI (Digital Inputs)
- Smoke detector
- Flood detector
- Pa
- Voltage sensor
- Light measurement
- Door contact

STE2 r2 is a product for remote measurement of temperature and other external sensor values. Two RJ11 ports (1W-UNI) can be used for external sensors (up to 5 sensor values in total). Two DI (Digital Inputs) monitor On/Off state of external dry contact based detectors (smoke / door contact detectors).

Power adapter and external temperature sensor (3 m) are included in the package. The device supports web interface, Open API (SNMP, XML), sending alerts by email (SMTP) or SMS (ext. SMS GW).

As additional feature the STE2 r2 can be connected to any SensDesk Technology based portal to be monitored and managed. Portal centralizes device management, graphs, alerts by email, SMS or voice calls. PDF reports are also available.

Portal based services

- Graphs
- Scale range
- Reports
- Web
- https
- Voice alert
- EBID

SensDesk Technology

Portal service (SaaS / hosted version) for remote monitoring

- HWg-cloud.com - limited free service
- SensDesk.com - paid service
- Portals from 3rd party portal providers



Typical applications

- Remote air conditioning control
- Remote monitoring of refrigerator or freezer
- Storage conditions monitoring, HACCP logs
- Remote environment monitoring
- Alerting for temperature, humidity, electric current, CO₂ limits

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Technical specifications

External power	5V jack 0.5x1.35 mm, PoE RJ-45
Temperature range	Operating: -10 °C - 80 °C / 0 °F - 176 °F Storage: -30 °C - 80 °C / 0 °F - 176 °F
Dimensions/weight	88x68x33 (WxHxD) / 8g
Connectivity	LAN, Wi-Fi

External Sensors and Detectors

Sensor ports	2x RJ11 (2 parts, 5 sensor values in total)
Compatible sensors	1-Wire/1W-UNI sensors from HW group only
Digital Inputs	2x Dry contact input
You can monitor	Temperature, Relative Humidity, Voltage, AC/DC Current, Flood detection, CO ₂ , VDC, Light intensity & many more.

Communication

M2M Open API	SNMP v1/v2, XML, over HTTP, HWg-Push
Alarms	Email, HWg-Push, SMS (with assistance of SMS-GW3 LTE)

Software / Services

SensDesk Technology portal	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
Mobile App	HWg monitor, SensDesk Mobile
Other software	3 rd party software, HWg-SDK

Standalone Monitoring

- Flood detector 1W-UNI**
Simple sensor of flooding or water level for water detection among 4 points on detector body (2 water detectors). The sensor can be placed on a wall or floor with electric surface.
- 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, freezer, medical and laboratory environments, agriculture and industrial applications.
- Temp 1Wire Flat**
Temperature probe -30°C to +80°C for use in pharmaceutical or food industry (refrigerators). A flat connection cable can be routed under the door seal.

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Flyer A4 (210x297 mm)

HWg-Ares 10 (double sided)



Ares 10
Low-cost GSM thermometer with remote management and alerting via calls, texts or e-mail

Typical application examples

- Electricity distribution networks (transformer stations, lines)
- Water source monitoring, including technical equipment status
- Agricultural premises (greenhouses, granaries, etc.)
- Road, highway, or railway technology
- Temperature and thermal expansion of structures
- Diesel generators - environment and status monitoring

Key features:

- 1-Wire sensors
- Digital inputs
- SMS notifications
- E-mail notifications
- Data logging
- USB data port
- SensDesk portal
- XML interface

Technical specifications:

- Type: HWg original accessories: 1-Wire 5-Wire LM
- Temperature: 0°C to 140°C (max)
- Sensors: Up to 3 sensors
- Sensor distance: Up to 100m

Physical parameters:

- Dimensions / Weight: 95x45x20 mm / 150g
- EMC: FCC Part 15, Class B, CE - EN 55022, EN 55024, EN 55032

Configuration interface:

Connect up to 3 sensors over the 1-Wire/5-Wire LM (up to 3 max 3 measured values) and up to 2 digital dry contact inputs for external detectors.

Alarms are notified by calling and texting up to 5 numbers, e-mailing up to 5 addresses, or via the SensDesk portal.

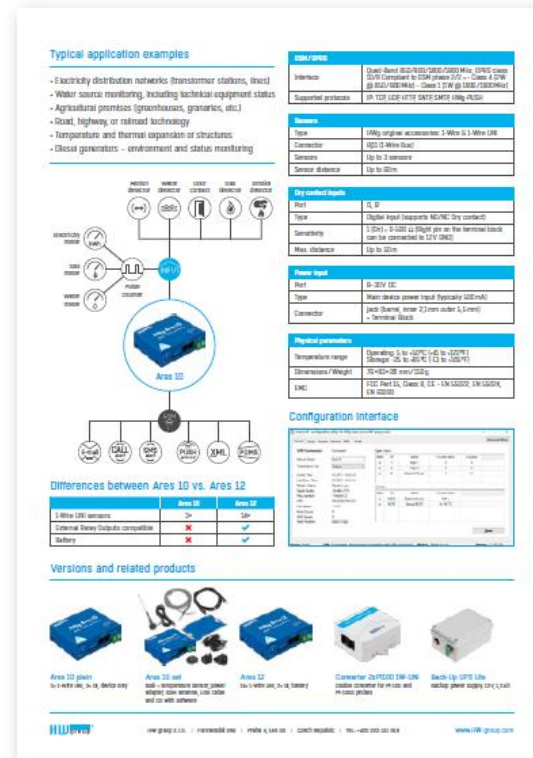
The device can be configured remotely at the "AresDesk" tab in the SensDesk portal. Remote firmware updates (FOTA) capability makes Ares devices ideal for large-scale deployments.

Data can be sent to e-mail attachments or downloaded via USB. (Display the data using the SensDesk portal, the iOS or Android mobile version, or third-party apps (Inlogis etc.))

The "Hot" start set includes a temperature sensor with a cable that can be extended to up to 100 m.

Use the USB interface to configure the device from a PC; no need to install any additional software.

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Typical application examples

- Electricity distribution networks (transformer stations, lines)
- Water source monitoring, including technical equipment status
- Agricultural premises (greenhouses, granaries, etc.)
- Road, highway, or railway technology
- Temperature and thermal expansion of structures
- Diesel generators - environment and status monitoring

Key features:

- Battery
- 1-Wire sensors
- Digital inputs
- SMS notifications
- E-mail notifications
- Data logging
- USB data port
- SensDesk portal

Technical specifications:

- Type: HWg original accessories: 1-Wire 5-Wire LM
- Temperature: 0°C to 140°C (max)
- Sensors: Up to 3 sensors
- Sensor distance: Up to 100m

Physical parameters:

- Dimensions / Weight: 95x45x20 mm / 150g
- EMC: FCC Part 15, Class B, CE - EN 55022, EN 55024, EN 55032

Configuration interface:

Connect up to 14 sensors on a relay output extender unit over the 1-Wire/5-Wire LM bus (up to 3) and up to 2 dry contact inputs for external detectors.

Alarms are notified by calling and texting up to 5 numbers, e-mailing up to 5 addresses, or via the SensDesk portal.

Ares 12 includes an internal battery that provides back-up power for up to 24 hours.

The "Hot" start set includes a temperature sensor with a cable that can be extended to up to 100 m.

The device can be configured remotely at the "AresDesk" tab in the SensDesk portal. Remote firmware updates (FOTA) capability makes Ares devices ideal for large-scale deployments.

Differences between Ares 10 vs. Ares 12

	Ares 10	Ares 12
1-Wire LM sensors	3	14
Digital inputs	2	2
External Battery/Backup compatibility	Yes	No
Battery	No	Yes

Versions and related products

- Ares 10 plain: 1-Wire LM, 5-Wire LM, 1-Wire LM only
- Ares 12 set: 1-Wire LM, 5-Wire LM, 1-Wire LM only
- Ares 12: 1-Wire LM, 5-Wire LM, 1-Wire LM only
- Converter 2x1-Wire LM: 1-Wire LM to 5-Wire LM
- Back-up UPS kit: 24h backup power supply (12V/1.2Ah)

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HWg-Ares 12 (double sided)



Ares 12
Industrial measuring and monitoring for 14 sensors, communication over GSM and back-up power

Typical application examples

- GPS monitoring of machines and their environment
- AMS - environment monitoring without tampering with the connection
- Art exhibits and dispensaries
- Storage of food or materials
- Cooling systems and coolers

Key features:

- Battery
- 1-Wire sensors
- Digital inputs
- SMS notifications
- E-mail notifications
- Data logging
- USB data port
- SensDesk portal

Technical specifications:

- Type: HWg original accessories: 1-Wire 5-Wire LM
- Temperature: 0°C to 140°C (max)
- Sensors: Up to 14 sensors
- Sensor distance: Up to 100m

Physical parameters:

- Dimensions / Weight: 95x45x20 mm / 150g
- EMC: FCC Part 15, Class B, CE - EN 55022, EN 55024, EN 55032

Configuration interface:

Connect up to 14 sensors on a relay output extender unit over the 1-Wire/5-Wire LM bus (up to 3) and up to 2 dry contact inputs for external detectors.

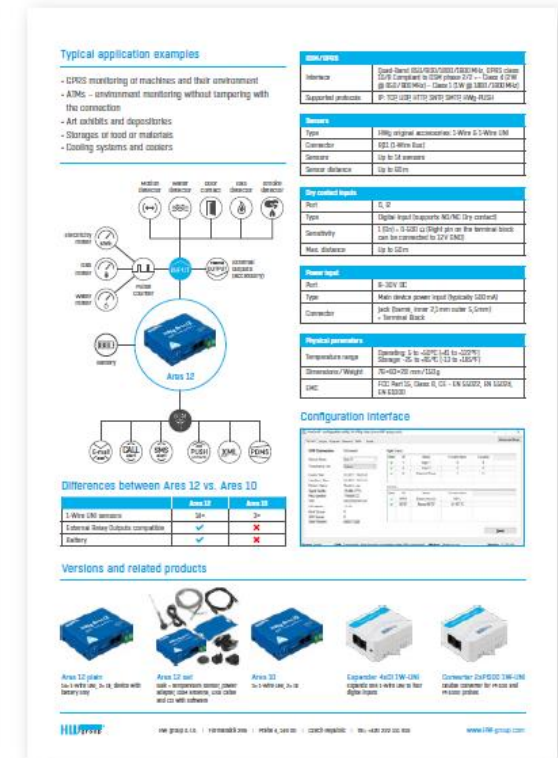
Alarms are notified by calling and texting up to 5 numbers, e-mailing up to 5 addresses, or via the SensDesk portal.

Ares 12 includes an internal battery that provides back-up power for up to 24 hours.

The "Hot" start set includes a temperature sensor with a cable that can be extended to up to 100 m.

The device can be configured remotely at the "AresDesk" tab in the SensDesk portal. Remote firmware updates (FOTA) capability makes Ares devices ideal for large-scale deployments.

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Typical application examples

- GPS monitoring of machines and their environment
- AMS - environment monitoring without tampering with the connection
- Art exhibits and dispensaries
- Storage of food or materials
- Cooling systems and coolers

Key features:

- Battery
- 1-Wire sensors
- Digital inputs
- SMS notifications
- E-mail notifications
- Data logging
- USB data port
- SensDesk portal

Technical specifications:

- Type: HWg original accessories: 1-Wire 5-Wire LM
- Temperature: 0°C to 140°C (max)
- Sensors: Up to 14 sensors
- Sensor distance: Up to 100m

Physical parameters:

- Dimensions / Weight: 95x45x20 mm / 150g
- EMC: FCC Part 15, Class B, CE - EN 55022, EN 55024, EN 55032

Configuration interface:

Connect up to 14 sensors on a relay output extender unit over the 1-Wire/5-Wire LM bus (up to 3) and up to 2 dry contact inputs for external detectors.

Alarms are notified by calling and texting up to 5 numbers, e-mailing up to 5 addresses, or via the SensDesk portal.

Ares 12 includes an internal battery that provides back-up power for up to 24 hours.

The "Hot" start set includes a temperature sensor with a cable that can be extended to up to 100 m.

The device can be configured remotely at the "AresDesk" tab in the SensDesk portal. Remote firmware updates (FOTA) capability makes Ares devices ideal for large-scale deployments.

Differences between Ares 12 vs. Ares 10

	Ares 10	Ares 12
1-Wire LM sensors	3	14
Digital inputs	2	2
External Battery/Backup compatibility	Yes	No
Battery	No	Yes

Versions and related products

- Ares 12 plain: 1-Wire LM, 5-Wire LM, 1-Wire LM only
- Ares 12 set: 1-Wire LM, 5-Wire LM, 1-Wire LM only
- Ares 12: 1-Wire LM, 5-Wire LM, 1-Wire LM only
- Expander 4x1-Wire LM: 1-Wire LM to 5-Wire LM
- Converter 2x1-Wire LM: 1-Wire LM to 5-Wire LM

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Flyer A4 (210x297 mm)

Ares 10 LTE (double sided)

Ares 10 LTE

Low-cost GSM/LTE thermometer with remote management and alarming via calls, texts or e-mail

- 1-Wire sensors
- Digital inputs
- SMS notifications
- E-mail notifications
- Data logging
- USB data port
- SensDesk portal compatible
- XML interface

Ares 10 LTE is a cost-effective GSM/LTE thermometer for remote monitoring and alarming over GSM for locations without LAN access. Connect up to 3 external sensors and 2 dry contact detectors. Use the SensDesk portal to configure the Ares LTE, send alarms or display graphs. Ares LTE monitors the readings of connected sensors. When a value reaches the alarm threshold, the device sends an e-mail or a text message (SMS), or else specified numbers. Ares LTE products are ready for remote mass deployment using FOTA (Firmware Over The Air).

Connect up to 3 sensors over the 1-Wire/3-Wire I2C (or I2C) bus (max. 3 measured values) and up to 2 digital dry contact inputs for external detectors.

Alarms are notified by calling and texting up to 5 numbers, e-mailing up to 5 addresses, or via the SensDesk portal.

The device can be configured remotely at the SensDesk tab in the SensDesk portal. Remote firmware upload (FOTA) capability makes Ares LTE devices ideal for large-scale deployments.

Data can be sent to e-mail attachments or downloaded via USB. Display the data using the SensDesk portal, its iOS or Android mobile version, or third-party apps (Inlogos etc.).

The "fusa" start set includes a temperature sensor with a cable that can be extended to up to 60 m.

Use the USB interface to configure the device from a PC, no need to install any additional software.

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Typical application examples

- Electricity distribution networks (transformer closets, lines)
- Water source monitoring, including technical equipment status
- Agricultural premises (greenhouses, granaries, etc.)
- Road, highway, or railroad technology
- Temperature and thermal expansion of structures
- Diesel generators - environment and status monitoring

Technical specifications:

Interface	1-Wire, I2C, RS-485, CAN, GPRS, LTE, GSM
Temperature range	Operating: -5 to +60°C (-40 to +150°F)
Dimensions / Weight	45x45x22 mm (1.7x1.7x0.9 in)

Configuration interface

Differences between Ares 10 LTE vs. Ares 12 LTE

	Ares 10 LTE	Ares 12 LTE
1-Wire I2C sensors	3	3
External battery backup compatibility	✗	✓

Configurator

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Ares 12 LTE (double sided)

Ares 12 LTE

Industrial measuring and monitoring for 14 sensors, communication over GSM/LTE and back-up power

- Battery
- 1-Wire sensors
- Digital inputs
- SMS notifications
- E-mail notifications
- Data logging
- USB data port
- SensDesk portal compatible

Ares 12 LTE is an industrial unit for remote monitoring and alarming over GSM/LTE for locations without LAN access. Includes battery backup. Connect up to 14 external sensors and 2 dry contact detectors. Use the SensDesk portal to configure the Ares LTE, send alarms or display graphs. Ares LTE monitors the readings of connected sensors. When a value reaches the alarm threshold, the device sends an e-mail or a text message (SMS), or else specified numbers. Ares LTE products are ready for remote mass deployment using FOTA (Firmware Over The Air).

Connect up to 14 sensors or a relay output extender unit over the 1-Wire/3-Wire I2C (or I2C) and up to 2 dry contact inputs for external detectors.

Alarms are notified by calling and texting up to 5 numbers, e-mailing up to 5 addresses, or via the SensDesk portal.

Ares 12 LTE includes an internal battery that provides back-up power for up to 24 hours.

The "fusa" start set includes a temperature sensor with a cable that can be extended to up to 60 m.

The device can be configured remotely at the SensDesk tab in the SensDesk portal. Remote firmware upload (FOTA) capability makes Ares LTE devices ideal for large-scale deployments.

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Typical application examples

- GPS/LTE monitoring of machines and their environment
- AZMs - investment monitoring without tampering with the connection
- Art exhibits and depositaries
- Shruges of food or materials
- Cooling systems and coolers

Technical specifications:

Interface	1-Wire, I2C, RS-485, CAN, GPRS, LTE, GSM
Temperature range	Operating: -5 to +60°C (-40 to +150°F)
Dimensions / Weight	45x45x22 mm (1.7x1.7x0.9 in)

Configuration interface

Differences between Ares 12 LTE vs. Ares 10 LTE

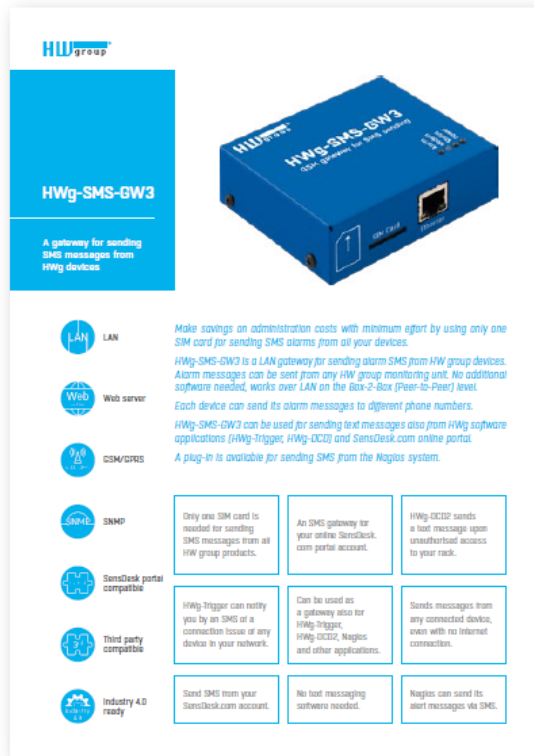
	Ares 12 LTE	Ares 10 LTE
1-Wire I2C sensors	14	3
External battery backup compatibility	✓	✗

Configurator

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Flyer A4 (210x297 mm)

HWg-SMS-GW3 (double sided)



HWg-SMS-GW3

A gateway for sending SMS messages from HWg devices



LAN Make savings in administration costs with minimum effort by using only one SIM card for sending SMS alarms from all your devices.

Web server HWg-SMS-GW3 is a LAN gateway for sending alarm SMS from HW group devices. Alarm messages can be sent from any HW group monitoring unit. No additional software needed, works over LAN on the Box-2-Box (Peer-to-Peer) level.

CSM/CRPS Each device can send its alarm messages to different phone numbers.

SNMP HWg-SMS-GW3 can be used for sending text messages also from HWg software applications (HWg-Trigger, HWg-DCC2) and SensDesk.com online portal.

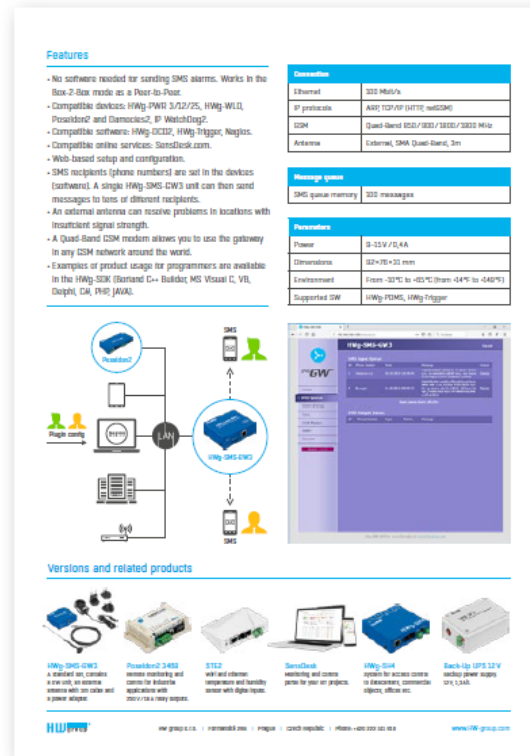
SensDesk portal compatible A plug-in is available for sending SMS from the Nagios system.

Third party compatible

Industry 4.0 ready

Only one SIM card is needed for sending SMS messages from all HW group products.	An SMS gateway for your online SensDesk.com portal account.	HWg-DCC2 sends a text message upon unauthorized access to your rack.
HWg-Trigger can notify you by an SMS or a connection issue of any device in your network.	Can be used as a gateway also for HWg-Trigger, HWg-DCC2, Nagios and other applications.	Sends messages from any connected device, even with no Internet connection.
Send SMS from your SensDesk.com account.	No text messaging software needed.	Nagios can send its alert messages via SMS.

Front page



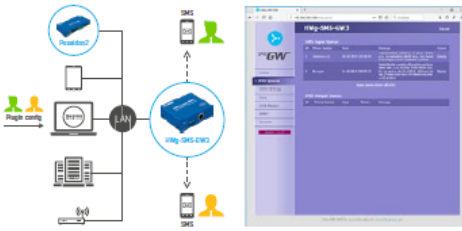
Features

- No software needed for sending SMS alarms. Works in the Box-2-Box mode as a Peer-to-Peer.
- Compatible devices: HWg-PWR 3/12/25, HWg-WLD, Posidon2 and Democies2, IP Watchdog2.
- Compatible software: HWg-DCC2, HWg-Trigger, Nagios.
- Compatible online services: SensDesk.com.
- Web-based setup and configuration.
- SMS recipients (phone numbers) are set in the devices (software). A single HWg-SMS-GW3 unit can then send messages to lots of different recipients.
- An external antenna can resolve problems in locations with insufficient signal strength.
- A Quad-Band GSM modem allows you to use the gateway in any GSM network around the world.
- Examples of product usage for programmers are available in the HWg-SDK (Borland C++, Builder, MS Visual C, VIL, Delphi, C#, PHP, JAVA).


Connection	
Ethernet	10/100 Mbit/s
IP protocols	ARP, TCP/IP (HTTP, netSNI)
CSM	Quad-Band GSM/900/1800/1900 MHz
Antenna	External, SMA, Quad-Band, 3m

Message queue	
SMS queue memory	300 messages

Parameters	
Power	9-25 V / 0.4 A
Dimensions	92x76x33 mm
Environment	From -20°C to +65°C (from -4°F to +149°F)
Supported SW	HWg-PTMS, HWg-Trigger



Versions and related products



HWg-SMS-GW3: a standard 19" rackmountable unit with a power adapter.
 Posidon2 3468: remote monitoring and control for industrial applications with 100V/15A relay outputs.
 ST12: wall and ceiling mountable sensor with digital inputs.
 SensDesk: monitoring and control panel for your projects.
 HWg-SIM: module for access control in elevators, connection digital, office etc.
 Back-Up UPS 12V: backup power supply with 1.5Ah.

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SMS-GW3 LTE (double sided)



SMS-GW3 LTE

A gateway for sending SMS messages from HWg devices



LAN Make savings in administration costs with minimum effort by using only one SIM card for sending SMS alarms from all your devices.

Web server SMS-GW3 LTE is a LAN gateway for sending alarm SMS from HW group devices. Alarm messages can be sent from any HW group monitoring unit. No additional software needed, works over LAN on the Box-2-Box (Peer-to-Peer) level.

Lte Each device can send its alarm messages to different phone numbers.

CSM/CRPS SMS-GW3 LTE can be used for sending text messages also from HWg software applications (HWg-Trigger, HWg-DCC2) and SensDesk.com online portal.

SNMP A plug-in is available for sending SMS from the Nagios system.

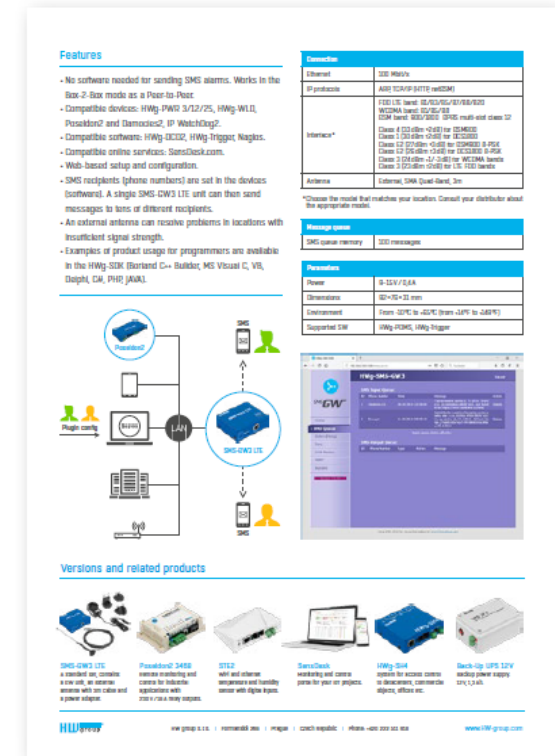
SensDesk portal compatible

Third party compatible

Industry 4.0 ready

Can be used as a gateway also for HWg-Trigger, HWg-DCC2, Nagios and other applications.	An SMS gateway for your online SensDesk portal account.	Can be used with HWg-DCC2, which sends a text message upon unauthorized access to your rack.
Only one SIM card is needed for sending SMS messages from all HW group products.	Can be used with HWg-Trigger which can notify you by an SMS or a connection issue of any device in your network.	Sends messages from any connected device, even with no Internet connection.

Front page



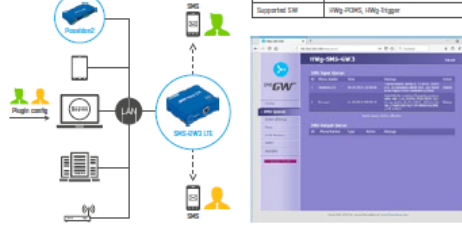
Features

- No software needed for sending SMS alarms. Works in the Box-2-Box mode as a Peer-to-Peer.
- Compatible devices: HWg-PWR 3/12/25, HWg-WLD, Posidon2 and Democies2, IP Watchdog2.
- Compatible software: HWg-DCC2, HWg-Trigger, Nagios.
- Compatible online services: SensDesk.com.
- Web-based setup and configuration.
- SMS recipients (phone numbers) are set in the devices (software). A single SMS-GW3 LTE unit can then send messages to lots of different recipients.
- An external antenna can resolve problems in locations with insufficient signal strength.
- Examples of product usage for programmers are available in the HWg-SDK (Borland C++, Builder, MS Visual C, VIL, Delphi, C#, PHP, JAVA).


Connection	
Ethernet	10/100 Mbit/s
IP protocols	ARP, TCP/IP (HTTP, netSNI)
CSM	Quad-Band GSM/900/1800/1900 MHz
Antenna	External, SMA, Quad-Band, 3m

Message queue	
SMS queue memory	300 messages

Parameters	
Power	9-25 V / 0.4 A
Dimensions	92x76x33 mm
Environment	From -20°C to +65°C (from -4°F to +149°F)
Supported SW	HWg-PTMS, HWg-Trigger



Versions and related products



SMS-GW3 LTE: a standard 19" rackmountable unit with a power adapter.
 Posidon2 3468: remote monitoring and control for industrial applications with 100V/15A relay outputs.
 ST12: wall and ceiling mountable sensor with digital inputs.
 SensDesk: monitoring and control panel for your projects.
 HWg-SIM: module for access control in elevators, connection digital, office etc.
 Back-Up UPS 12V: backup power supply with 1.5Ah.

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Flyer A4 (210x297 mm)

SD devices (double sided)




SD devices

The SD family are 4 simple devices for the monitoring of temperature, humidity, voltage, current and other parameters. They also detect water leaks, smoke, movement or open doors. The devices connect via Ethernet or WiFi to the SensDesk.com portal.




www.hw-group.com www.SensDesk.com

Front page



SD Devices Features

- Ethernet and WiFi - 802.11 b/g/n (2.4GHz)
- Powered by 5V DC or PoE
- Simple installation, DHCP support
- Simultaneous Ethernet and WiFi operation
- Embedded WEB server
- Security protected with a password
- Easy setup with a few clicks
- Metal housing, DIN and rack mount available



Why use SensDesk.com?

- Remote monitoring:** Temperature, humidity, power consumption, intrusion, water detection and many more...
- Event alerts:** Get alerts over SMS or e-mail and be sure you can respond to the event in time.
- Reports and graphs:** Generate automatic reports and access data history with just a click.
- Remote output control:** Use conditions to automatically respond to alarms or control outputs manually.
- User friendly and reliable:** Easy for home users, robust, customizable and scalable for business.
- SensDesk can connect to third party systems:** You can send your data to other applications using XML, MQTT, SNMP or Modbus TCP.

www.hw-group.com www.SensDesk.com

Back page

NB devices (double sided)




NB IoT devices

The NB family are simple devices for the monitoring of temperature, humidity, water leaks, voltage, current and other values in remote places. The Narrowband IoT devices are battery powered with a battery lifetime up to 3 years. The devices connect to the SensDesk.com portal where you can monitor and control your entire system. Your project is set up in just a few clicks and you can get your data in minutes.




www.hw-group.com www.SensDesk.com

Front page



NB Devices Features

- Narrowband IoT (NB-IoT) connectivity
- Internal battery with up to 3 years lifetime
- Extreme 5V DC power
- Simple installation, remote device adoption
- Hundreds of available sensors
- Secure and reliable
- Easy setup with a few clicks
- Metal housing, DIN and rack mount available



Why use SensDesk.com?

- Remote monitoring:** Temperature, humidity, power consumption, intrusion, water detection and many more...
- Event alerts:** Get alerts over SMS or e-mail and be sure you can respond to the event in time.
- Reports and graphs:** Generate automatic reports and access data history with just a click.
- Remote output control:** Use conditions to automatically respond to alarms or control outputs manually.
- User friendly and reliable:** Easy for home users, robust, customizable and scalable for business.
- SensDesk can connect to third party systems:** You can send your data to other applications using XML, MQTT, SNMP or Modbus TCP.

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Back page

Flyer A4 (210x297 mm)

HWg-SH4 (4 pages)

DATA CABINET ACCESS CONTROL

HW group access control solutions, when combined with Southco intelligent electronic locks offer audit trail and credential management and enable you to meet today's data protection compliance requirements.

In a world increasingly reliant upon networks and data, never before has there been a greater need for measures which safeguard businesses' physical data infrastructure.

Data cabinet security plays a vital role in helping data centre operators to comply with increasing data security requirements and alleviate the risk of accidental or intentional data breach.

HW group and Southco's Cabinet Level Security Solutions respond to this growing need, employing some of the most advanced technologies available to maximise data centre security in the smoothest, most efficient and manageable ways.

Front page

HW group access control solution
The SH4 is a Data Cabinet access system that works well with Southco gear motor actuated locks and integrated RFID readers. One door or several hundred racks - the SH4 system provides a cost effective way to manage access to your technology.

Easy to install. Powerful to use.

Just plug the SH4 unit into your Ethernet network, connect Southco locks, RFID readers or keypad and use your browser to set it up. The SH4 system comes with free software to help you manage everything from one place - users, doors, groups and locations.

To allow more the SH4 can work as a standalone device that hosts an internal database of users and users.

To allow more the device to be connected with a server running the HWG-CCS software. This server manages all the access rules.

The relevant part of the software user interface is located in each SH4 so that you can still access your technology even if your network connectivity fails.

Expanding the SH4 system
You can expand your system with the SH4s and SH4e units. Controlled from an SH4 unit and its RFID readers, the SH4s and SH4e units are simple access controllers for 1 or 2 locks. You can grow your access system as needed and manage your costs efficiently.

Inner pages

Southco Data Cabinet Security Solutions
These industry proven "intelligent locking" solutions are designed to seamlessly integrate with the very best data protection and monitoring systems and enable a more intelligent and efficient approach to rack level security within the data centre environment, offering:

- ✓ Cabinet audit trail capability
- ✓ Remote access control and monitoring
- ✓ Ability to retrofit into any data cabinet
- ✓ Integration into existing security systems

Electronic Locking Swing Handle

- Standard 25 mm x 150 mm door cut out
- Gear motor driven remote unlock and lock
- Visual monitoring with multi-colour LED
- Lock and Key Status Outputs for remote monitoring
- Sure profile lock cylinder for manual override
- Biometric fingerprint option

Electronic Locking Swing Handle with Integrated RFID Reader

- Wiegand output
- HID 125KHz Prox
- Mifare Classic
- Class CSN

Electronic Locking Swing Handle with Integrated Dual Frequency RFID Reader

- Wiegand output
- HID 125KHz Prox
- Mifare Classic, Prox, DuoPass 13.56MHz
- Class, Class S, Class 13.56MHz

Proven Security Solutions - Any cabinet, any system

Electronic Locking and Retro-Kit Solutions for Indoor and Outdoor cabinets

- Motor Actuated Rotary Latch
- Motor actuated Slide Bolt
- Indoor and Outdoor Retro-fit Kits

Back page

About HW group
HW group is designing professional monitoring devices for over 15 years and manufacturing them in the UK. Our products are protecting important data systems and infrastructures all over the world. HW group has a worldwide network of distributors ready to help you with your project. All our partners are trained to provide you with the best possible local support.

About Southco
Southco's solutions for data cabinets are built from over 70 years of experience in designing and manufacturing engineered access hardware. Southco's Physical Cabinet-Level Security hardware extends existing security systems to any cabinet. Customisable solutions that are easy to integrate, cost-effective and most importantly secure.

We have helped the following companies with their monitoring or access solutions. We would be thrilled if you were the next.

MTVNETWORKS, RJRS MUSEUM, Allianz, PHILIPS, SIEMENS, MITSUBISHI MOTORS, OUNISILVER, Mercedes-Benz, SKODA, verizon, KUKU, Rai, VIG

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Czech Republic
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Southco Manufacturing Ltd.
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Worcester, WR14 3JA
United Kingdom
Phone: +44 (0) 1852 348202
Fax: +44 (0) 1852 348203
Web: www.southco.com

Flyer A4 (210x297 mm)

Temp 1Wire Pt1000 (double sided)

Temp 1Wire Pt1000
Industrial precision sensor

- High industrial accuracy
- IP67 protected
- High temperature resolution of 0.1°C
- Wide temperature range (-50°C - 200°C)
- Affordable price
- Can be calibrated in 8 points
- Food version available (-200°C - 180°C)
- Compatible with Pt1000, HW, STC, STC2, HW, Ares, SD and NB devices

If you need the best sensor for industrial applications, the Temp 1Wire Pt1000 is the right choice. The Pt1000 sensor offers high accuracy over a wide temperature range, long life and IP67 protection. The sensor is connected directly to the 1-wire bus without the need of an additional converter.

The sensor is supported by all HW group devices that feature a 1-wire sensor port. Calibration is possible in 8 points using the HW group Calibrator device.

The Temp 1Wire Pt1000 is an ideal temperature sensor for storages, food processing, freezers, medical and laboratory environments, agriculture and many other industrial applications.

The HW group monitoring system can be used for regular audits of measured values as well as for monitoring critical temperatures and alarming.

Technical parameters	
Temperature	-50°C up to 200°C (-200°C Food version available)
Accuracy	±0.25 - 0.002%
Resolution	0.10
Protection	IP67
Material	Stainless steel
Cable length	3m
Calibration	Yes, in 8 points

Front page

Application examples

Offering high precision at an affordable price, the Pt1000 sensors are designed for demanding industrial applications, where wide temperature range is critical, data needs to be collected for audits and sensors need to operate in a demanding environment.

Setting up the HW group system takes just a few clicks. Sensors are auto-detected and the device's web interface allows easy setup for all kinds of data visualizations. With the free SensDesk.com portal you can have the data visualized in just a few minutes from unpacking the device.

For more advanced applications we offer units with wide range of I2C protocols including (DHT, Modbus, I2C, MQTT, XM, 1-Wire) and more. HW group devices are also supported by many 3rd party applications and clouds.

Temperature monitoring in freezers, food storages and medical applications

The ST12 device can monitor precise temperature in 2 independent bridges. 2 door contacts can be connected to one if the fridge door has been opened. The data can be visualized on our free IoT portal SensDesk.com. You can also create periodical reports and review data history. The data can also be retrieved from the device itself without the need for a portal. Email alerts can warn you when values are out of range. SMS alerts or calls are available when you connect the SMS Gateway device.

Temperature monitoring in industrial applications and warehouses

The Ares devices can connect up to 32 Pt1000 sensors and send the data over GSM/GPRS or LTE. The Ares can also monitor many other environmental parameters, making sure your premises stay safe and monitored and you always have a good overview of what's happening. The data can be visualized on our free IoT portal SensDesk.com. You can also create periodical reports and review data history. The data can also be retrieved from the device itself without the need for a portal. Email, SMS and call alerts can warn you when values are out of range.

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SensDesk (double sided)

SensDesk

Monitoring portal for your IoT projects

SensDesk.com is a web-based service for online remote monitoring and control of HW group sensors and devices. You can monitor temperature, humidity, water leaks, digital inputs, voltage, current, energy consumption and many more. You can also remotely control your technology using outputs. SensDesk is easy to setup, just connect your HW group device to the network, create an account and start monitoring!

SensDesk is for end users as well as project installations with hundreds of devices. It can even also be installed on your own servers. The setup is quick and easy and our sensors can provide data over Ethernet, WiFi, GPRS, LTE or Narrowband IoT.

WHY USE SENSDESK.COM?

- Remote monitoring**
Temperature, humidity, power consumption, vibration, water detection and many more...
- Event alerts**
Get alarms over SMS or e-mail and be sure you can respond to the event in time.
- Reports and graphs**
Generate automatic reports and access data history with just a click.
- Remote output control**
Use conditions to automatically respond to alarms or control outputs manually.
- User friendly and reliable**
Easy for home users, robust, customizable and scalable for business.

SOLUTIONS FOR YOUR BUSINESS

- Data centers & server rooms
- Industry & manufacturing
- Warehouses & storage rooms
- Schools & public buildings
- Smart cities & municipal
- Logistics & transportation
- Hotels & house rentals
- Pharmacy & medical
- BTS stations & technology
- Stores & retail

Front page

Alert services

You can set a safe range of values for any sensor in the SensDesk. If this range is exceeded, the system shows an alert for the affected sensor. You can also set more safer ranges if you wish. Alerts can be forwarded to e-mail or SMS. All alerts, such as temporary device or sensor inaccessibility or values out of range, are recorded in the event log for easy system diagnostics.

Remote process control and switching

SensDesk can monitor and control virtual outputs of connected devices. User can switch any output manually. In addition, SensDesk provides several simple algorithms for switching the outputs automatically according to sensor status.

User dashboard, groups and locations

SensDesk provides tools for customizing the user interface. Users can define names of their sensors, devices and locations. You can also use group related monitoring and control. If you have 1 sensor or 1000, SensDesk always makes it easy for you to see alerts at a glance. All data are presented in charts, with visible now at any time range limits. Retrieved data can be downloaded from the portal in many formats, including XLS, CSV, PDF, JPG, SVG and more.

Quick setup and configuration

All HW group IoT devices have a built-in auto detection for the SensDesk portal. Connection of a new device to SensDesk takes less than 60 seconds! All sensors and devices can have custom names and arranged into groups and locations to provide a clear overview according to user preferences.

SensDesk is free

Free users can monitor any number of sensors, connected to up to 32 HW group devices. If you need to connect more devices, paid accounts are available. You can also buy your own dedicated SensDesk and run it as a virtual image on your own server.

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Flyer A4 (210x297 mm)

NB-2x1Wire (double sided)

IoT Monitoring

NB-2x1Wire

NB-IoT remote metering device with external sensors and internal battery. Portal required. IoT Monitoring device, cloud enabled by default, no expert on the site needed.

SensDesk Technology

NB-2x1Wire is remote metering IoT device with included sim card, connected to NB-IoT (Narrow Band) wireless network provided by your mobile operator.

You can connect and power from internal battery up to 4 external "1-Wire UNI" sensors (Temperature, Humidity, 4-20 mA, WLD Water Leak Detection, Light Sensor, Voltage, ...).

IoT device have to be connected to the SensDesk technology based portal. The HWg-cloud.com portal is free service, there are also listed other compatible portals.

You can connect:

Up to 4 sensors values

- Temperature (PT1000)
- Relative Humidity
- Carbon dioxide
- Water Leak Detection
- Atmospheric pressure
- Voltage sensor
- Current (4-20mA)

Portal based services

- Graphs
- Alerts range
- Web Reports
- Web
- https
- Device MGMT
- Field Utility

SensDesk Technology

- HWg-cloud.com for free
- SensDesk.com as paid service
- Several Portal providers available

SIM card included

Subscribed version of this device is delivered with NB-IoT SIM card included. It provides 3 years of connectivity (Vodafone NB-IoT)

4 sensor values

Connect external sensors. Some of them can require external power. One sensor probe can display several sensor values.

Internal battery

Can power device 8 temperature sensor up to 3 years of metering with communication once per 10 hours.

Front page

Typical applications

- Remote building environment monitoring
- Air conditioning failure detection
- Temperature monitoring in refrigerators
- Food / Medical storage
- Agricultural premises (greenhouses, granaries, etc.)
- Diesel generators / remote batteries monitoring

Technical specifications

External power	5VDC / 120mA / Jack Ø3.5 • 1.35 / 10mm
Internal battery	Lithium 3V model CR123A (included) Non-rechargeable
Battery lifetime	Up to 3 years with 1 temperature sensor only / 20°C
Operating temperature	-10 to +60°C (for device)
Dimensions / weight	67-78 x 33mm / 250g
Electromagnetic radiation / EMC	CE/FCC Part 15, Class B / EN 55022, EN 55024, EN 61000

External sensors

Sensor parts	2x RS1 I2 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 , NO ₂ , Light intensity & many more.

NB-IoT connectivity

Supported bands	81/82/83/84/85/88/812/813/817/818/819/820/825/826/828/866
Carrier(s)	Vodafone (global) (HWg sim card) Other operators on request
Subscriber version	SIM card with Vodafone NB-IoT 3 years connectivity included
Device certifications	GCF (Global), CE (Europe), FCC/PTCRB (North America), IC, NCC, NCC-JATE/TELEC, RCM, NBIC, MDA
Radio Output power	23dBm → 2dB
Antenna / Sensitivity	External, SMA / 12958mm
Supported protocols	IP: UDP/IP (CDMA)
Compatible portals	Any portal based on SensDesk technology

Related products

- HTemp-1-Wire Outdoor**: Temperature and humidity sensor for outdoor use.
- Sensor CO2 1W-UNI**: Combined temperature (-10 to +60°C), Relative Humidity (RH to 95%) and CO₂ (300-40000 ppm) sensor in one box. RS1 interface (1-Wire/UNI bus).
- 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.
- Expander 4x1 1W-UNI**: Expansion module for connection of 4 dry contact inputs to Aris and Posidon units. Contact another button, door contact, smoke detector etc. to the 1-Wire UNI bus (RS1).
- Temp 1Wire PT1000**: High precision temperature sensor -50 °C to 200 °C - Ideal temperature sensor for storages, food processing, breweries, medical and laboratory environments, agriculture and industrial applications.

IoT Monitoring

www.hwgroup.com

Back page

Download all flyers from our website

Poster A1 (594x841 mm)

Poseidon2

Damocles2

HWg-Ares 10/12

IoT platform



Poseidon2

The Poseidon2 devices connect mainly sensors and a small number of I/O (Inputs / Outputs) to the Ethernet so the user can monitor and control connected sensors, detectors and appliances.



www.hw-group.com



Damocles2

Damocles2 devices are designed to monitor and control digital I/O over the network using secure M2M protocols.



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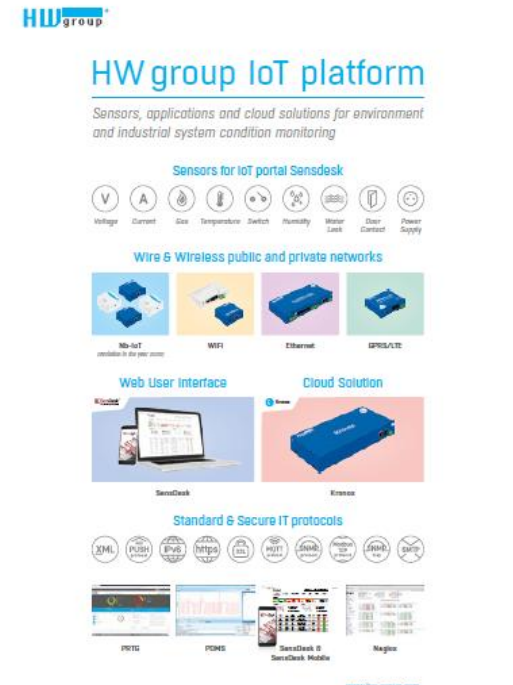


Ares 10/12

Ares monitors the readings of connected sensors. When a value reaches the alarm threshold, the device sends an e-mail or SMS or dials up to 5 pre-defined numbers.



www.hw-group.com



HW group IoT platform

Sensors, applications and cloud solutions for environment and industrial system condition monitoring

Sensors for IoT portal Sensedesk

- Voltage
- Current
- Gas
- Temperature
- Switch
- Humidity
- Water Leak
- Door Contact
- Power Supply

Wire & Wireless public and private networks

- 4G/LTE
- WiFi
- Ethernet
- GPON/LTE

Web User interface

Cloud Solution

Standard & Secure IT protocols

- XML
- JSON
- IPv6
- HTTPS
- SSL
- SSH
- LDAP
- SMTP
- IMAP
- POP3
- SMTP

www.hw-group.com

Poster A1 (594x841 mm)

SD devices

SensDesk



SD devices

The SD family are 4 simple devices for the monitoring of temperature, humidity, voltage, current and other parameters. They also detect water leaks, smoke, movement or open doors. The devices connect via Ethernet or WIFI to the SensDesk.com portal.



www.hw-group.com www.sensdesk.com



SensDesk

Monitoring portal for your IoT projects

SensDesk.com is a web-based service for online remote monitoring and control of HW group sensors and devices. You can monitor temperature, humidity, water leaks, digital inputs, voltage, current, energy consumption and many more. You can also remotely control your technology using outputs. SensDesk is easy to setup, just connect your HW group device to the network, create an account and start monitoring!

SensDesk is for end users as well as project installations with hundreds of devices. It can even also be installed on your own servers. The setup is quick and easy and our sensors can provide data over Ethernet, WIFI, GPRS, LTE or Narrowband IoT.

WHY USE SENSDESK.COM?


- Remote monitoring**
Temperature, humidity, power consumption, intrusion, water detection and many more...
- Event alerts**
Get alerts over SMS or e-mail and be sure you can respond to the event in time.
- Reports and graphs**
Generate automatic reports and access data history with just a click.
- Remote output control**
Use conditions to automatically respond to alarms or control outputs manually.
- User friendly and reliable**
Easy for home users, robust, customizable and available for business.

SOLUTIONS FOR YOUR BUSINESS

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- Warehouses & storage rooms
- Smart cities & municipal
- Hotels & house rentals
- RTS stations & technology
- Industry & manufacturing
- Schools & public buildings
- Logistics & transportation
- Pharmacy & medical
- Stores & retail

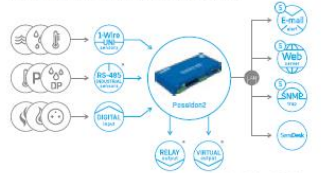
Roll-up (850x2000)

Poseidon2



Poseidon2

The Poseidon2 devices connect mainly sensors and a small number of I/O (Inputs/Outputs) to the Ethernet so the user can monitor and control connected sensors, detectors and appliances.




HW group s.r.o. is a Czech technological company focused on development, production and distribution of solutions for remote monitoring, alerting and control via LAN, WiFi and GSM, which match the latest demands of industrial use. The company is active since 2003 and supplies its products to more than 40 countries worldwide.

Damocles2 P24 Secure detection of users with PIR and door 48V alarm status.	Damocles2 C20 Security of the entrance of security with 20 detectors.	Damocles2 W16 Smart I/O module for 16 digital I/Os.	ST12 WiFi and Ethernet temperature and humidity sensor with digital output.
Ares 10 GSM and Ethernet temperature and humidity sensor with digital output.	Ares 12 GSM and Ethernet temperature and humidity sensor with digital output.	IP WatchDog Network monitoring and alerting for 10 devices with 100Mbit/sec Ethernet and 100Mbit/sec LAN.	HWg-WL5 WiFi and Ethernet temperature and humidity sensor with digital output.


www.hw-group.com

Damocles2



Damocles2

Damocles2 devices are designed to monitor and control digital I/O over the network using secure M2M protocols.



HW group s.r.o. is a Czech technological company focused on development, production and distribution of solutions for remote monitoring, alerting and control via LAN, WiFi and GSM, which match the latest demands of industrial use. The company is active since 2003 and supplies its products to more than 40 countries worldwide.

Damocles2 A102 Secure detection of users with PIR and door 48V alarm status.	Damocles2 A108 Security of the entrance of security with 108 detectors.	Damocles2 A100 Security of the entrance of security with 100 detectors.	Damocles2 A104 Security of the entrance of security with 104 detectors.
Ares 10 GSM and Ethernet temperature and humidity sensor with digital output.	Ares 12 GSM and Ethernet temperature and humidity sensor with digital output.	IP WatchDog Network monitoring and alerting for 10 devices with 100Mbit/sec Ethernet and 100Mbit/sec LAN.	ST12 WiFi and Ethernet temperature and humidity sensor with digital output.

www.hw-group.com

HWg-Ares 10/12



Ares 10/12

Ares monitors the readings of connected sensors. When a value reaches the alarm threshold, the device sends an e-mail or SMS or dials up to 5 pre-defined numbers.



HW group s.r.o. is a Czech technological company focused on development, production and distribution of solutions for remote monitoring, alerting and control via LAN, WiFi and GSM, which match the latest demands of industrial use. The company is active since 2003 and supplies its products to more than 40 countries worldwide.

Damocles2 A102 Secure detection of users with PIR and door 48V alarm status.	Damocles2 A108 Security of the entrance of security with 108 detectors.	Damocles2 A100 Security of the entrance of security with 100 detectors.	Damocles2 A104 Security of the entrance of security with 104 detectors.
Ares 10 GSM and Ethernet temperature and humidity sensor with digital output.	Ares 12 GSM and Ethernet temperature and humidity sensor with digital output.	IP WatchDog Network monitoring and alerting for 10 devices with 100Mbit/sec Ethernet and 100Mbit/sec LAN.	ST12 WiFi and Ethernet temperature and humidity sensor with digital output.

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IoT made easy



IoT - Internet of Things made easy

HW group is an IoT manufacturer since 2003. Products are designed for monitoring and control of digital inputs / outputs and sensors.



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Damocles2 P24 Secure detection of users with PIR and door 48V alarm status.	Damocles2 C20 Security of the entrance of security with 20 detectors.	Damocles2 W16 Smart I/O module for 16 digital I/Os.	ST12 WiFi and Ethernet temperature and humidity sensor with digital output.
Ares 10 GSM and Ethernet temperature and humidity sensor with digital output.	Ares 12 GSM and Ethernet temperature and humidity sensor with digital output.	IP WatchDog Network monitoring and alerting for 10 devices with 100Mbit/sec Ethernet and 100Mbit/sec LAN.	HWg-WL5 WiFi and Ethernet temperature and humidity sensor with digital output.

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Where to download

All marketing materials are part of the marketing package.

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Then go to folder Products, then folder

- **Devices** – for flyers, pictures, roll-ups etc. for individual devices
- **Sensors** – for all materials concerning sensors
- **Software** – for materials about SensDesk Technology

Contact jbrezinova@hwg.cz with any questions or requests.



Thank you for your attention.