



HW group

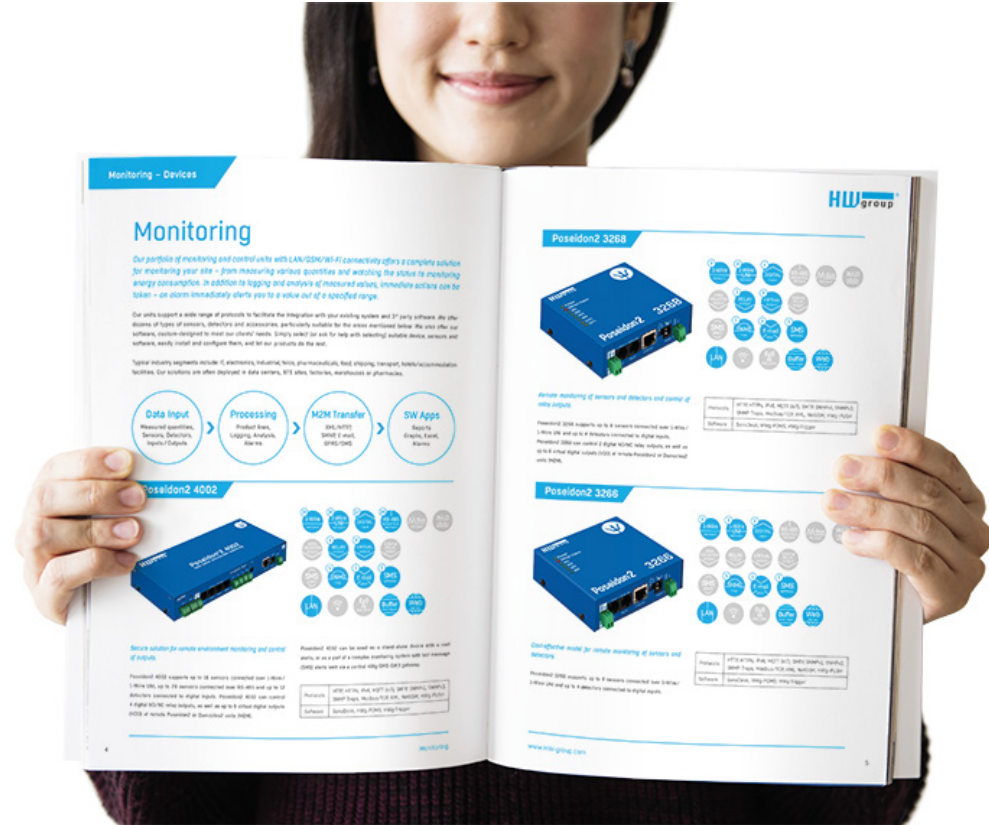
Promo materials 2019



PORTFOLIO

Promo materials

- Overview Catalog
- Flyers
- Posters
- Roll-ups



Overview Catalog (210×297 mm)

Product Overview



Cover



28 pages

Flyer A4 (210×297 mm)

Poseidon2 3266

Cost-effective model for remote monitoring of sensors and detectors

- 1-Wire LAN sensors
- Digital input
- SNMP trap
- E-mail notification
- MQTT protocol

Poseidon2 3266 supports up to 8 sensors connected over 1-Wire LAN / 1-Wire and up to 4 detectors connected to digital inputs.

A built-in [web server](#) is used for configuring. The device can be monitored remotely over the Internet using the free [Standard control](#) in combination with the [Standard Mobile application](#) for iOS and Android. It works with [SNMPv3](#) and [MQTT](#) Trigger.

Poseidon2 devices are designed to monitor and control sensors and digital I/O over the network using secure [MQM](#) protocols (HTTPs, 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.

A sensor value out of a set value range as well as a DI state change sends an alert by e-mail, SMS, SNMP Trap, or activates a remote relay in another Poseidon2 or Damocles2 unit.

For Ring or SMS alarm use the [MQTT](#) protocol.

Compatible with a wide range of third party SW (SCADA etc.).

Examples for programmers are using the [Standard](#) (iOS) or [Standard](#) (Android) or [MQTT](#) (Java, and more).

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

MQTT compatibility allows connecting to IoT Hub, MS Azure, AWS IoT, Borealis, Influx of Things and other cloud services.

Connected via LAN. Configuration via built-in web server.

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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

Poseidon2 model comparison

Parameter	3266	4022	3268	3266	3268
Inputs	1-Wire LAN: 8 DI: 12	8	8	8	8
Outputs	RS-485: 28 Relay: 2x2V / 2A VIO: 4	28	2	2	2
Power	0-24V -16V PHE	✓	✓	✓	✓
Connected	LAN: 100-1000 RS-232	✓	✓	✓	✓

Configuration interface

Versions and related products

- Poseidon2 3266: remote device
- Poseidon2 3268 Tst: includes temperature sensors, air control and a power alarm
- Poseidon2 4022 Tst: includes temperature sensors, air control and a power alarm
- Poseidon2 3468 Tst: includes temperature sensor, air control and a power alarm
- Poseidon2 3268 Tst: includes a temperature sensor, air control and a power alarm
- HWy-SM5-DW2 Set: sets sensors for LAN and SMS alerts via LAN includes sensors and a power alarm

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Poseidon2 3268

Remote monitoring of sensors and detectors and control of relay outputs

- 1-Wire LAN sensors
- Digital input
- Relay output
- Virtual output
- SNMP trap
- E-mail notification
- MQTT protocol

Poseidon2 3268 supports up to 8 sensors connected over 1-Wire LAN / 1-Wire and up to 4 detectors connected to digital inputs. Poseidon2 3268 can control 2 digital NO/NC relay outputs, as well as up to 8 virtual digital outputs (VIO) at remote Poseidon2 or Damocles2 units (MQM).

A built-in [web server](#) is used for configuring. The device can be monitored remotely over the Internet using the free [Standard control](#) in combination with the [Standard Mobile application](#) for iOS and Android. It works with [SNMPv3](#) and [MQTT](#) Trigger.

Poseidon2 devices are designed to monitor and control sensors and digital I/O over the network using secure [MQM](#) protocols (HTTPs, 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.).

MQTT compatibility allows connecting to IoT Hub, MS Azure, AWS IoT, Borealis, Influx of Things and other cloud services.

Virtual Digital Outputs (VIO) can be mapped to physical digital outputs (relays) of other Poseidon2 or Damocles2 units on the same LAN.

For Ring or SMS alarm use the [MQTT](#) protocol.

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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

Poseidon2 model comparison

Parameter	3266	4022	3268	3266	3268
Inputs	1-Wire LAN: 8 DI: 12	8	8	8	8
Outputs	Relay: 2x2V / 2A Relay: 2x2V / 2A VIO: 4	28	2	2	2
Power	0-24V -16V PHE	✓	✓	✓	✓
Connected	LAN: 100-1000 RS-232	✓	✓	✓	✓

Configuration interface

Versions and related products

- Poseidon2 3266: remote device
- Poseidon2 3268 Tst: includes temperature sensors, air control and a power alarm
- Poseidon2 4022 Tst: includes temperature sensors, air control and a power alarm
- Poseidon2 3468 Tst: includes temperature sensor, air control and a power alarm
- HWy-SM5-DW2 Set: sets sensors for LAN and SMS alerts via LAN includes sensors and a power alarm

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Flyer A4 (210×297 mm)

Poseidon2 3468

Remote monitoring and control for industrial applications with 230 V / 16A relay outputs

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

Poseidon2 3468 supports up to **6 sensors** connected via 1-Wire UNI / 1-Wire and up to **6 digital inputs** connected to digital inputs. Poseidon2 3468 can control **2 digital 230 V / 16 A relay outputs**, as well as up to **6 virtual digital outputs (VDO)** or remote Poseidon2 or Danco2es2 units (ADM).

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

A built-in web server is used for configuring. The device can be monitored remotely over the Internet using the free **SmartWeb panel** in combination with the **SmartWeb Mobile application** for iOS and Android. It works with **HTTP-SNMP** and **HTTP-Trap**.

Poseidon2 devices are designed to monitor and control sensors and digital I/O over the network using secure **MDM 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 units).

MQTT compatibility allows connecting to IoT Hub, MS Azure, AWS IoT, Braemar Internet of Things and other cloud services.

With the **SmartWeb panel**, all sensors can be converted to cost per time period and exported to MS Excel.

Virtual Digital Outputs (VDO) can be mapped to physical digital outputs (relays) of other Poseidon2 or Danco2es2 units on the same LAN.

For wiring 5Vdc sensors use the **HW-5Vdc-5Vdc** software (external 5Vdc module required, or **HW-5Vdc-5Vdc** module in the same LAN).

Examples for programming on using the product are available in the **HW-5Vdc-5Vdc** (External 5Vdc, MS Excel, V6, CR, PHP, JAVA and more).

Virtual Digital Outputs (VDO) can be mapped to physical digital outputs (relays) of other Poseidon2 or Danco2es2 units on the same LAN.

Examples for programming on using the product are available in the **HW-5Vdc-5Vdc** (External 5Vdc, MS Excel, V6, CR, PHP, JAVA and more).

HW-5Vdc-5Vdc Set and sensors for LAN and WAN are available in the **HW-5Vdc-5Vdc** (External 5Vdc, MS Excel, V6, CR, PHP, JAVA and more).

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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 telecabinets applications
- WAC monitoring
- Cooler and freezer monitoring + alarm indication
- Security and surveillance systems
- Smart buildings

Selected features

Selected features	4032	3468	3468	3036
Inputs	1-Wire UNI	32	8	8
Outputs	RS-485	32	4	4
Relays	None	2	2	2
Power	9-30V	9-30V	9-30V	9-30V
Virtual	Yes	Yes	Yes	Yes
Connected	LAN	LAN	LAN	LAN

Configuration interface

Versions and related products

Product	Description
Poseidon2 3468	Remote monitoring and control of a power device
Poseidon2 4032 Tst	Remote monitoring and control of a power device
Poseidon2 3268 Tst	Remote monitoring and control of a power device
HW-5Vdc-5Vdc Set	5Vdc sensors for LAN and WAN

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Poseidon2 4002

Secure solution for remote environment monitoring and control of outputs

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

Poseidon2 4002 can connect up to **62 sensors** (8 via 1-Wire UNI / 1-Wire - 28 via RS-485), **32 digital inputs** via digital dry contact inputs (DI), **8 virtual digital outputs** and **4 relay outputs** (RDOs). 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 panel** in combination with the **SmartWeb Mobile application** for iOS and Android. It works with **HTTP-SNMP** and **HTTP-Trap**.

Poseidon2 devices are designed to monitor and control sensors and digital I/O over the network using secure **MDM 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 units).

MQTT compatibility allows connecting to IoT Hub, MS Azure, AWS IoT, Braemar Internet of Things and other cloud services.

With the **SmartWeb panel**, all sensors can be converted to cost per time period and exported to MS Excel.

Virtual Digital Outputs (VDO) can be mapped to physical digital outputs (relays) of other Poseidon2 or Danco2es2 units on the same LAN.

Examples for programming on using the product are available in the **HW-5Vdc-5Vdc** (External 5Vdc, MS Excel, V6, CR, PHP, JAVA and more).

Virtual Digital Outputs (VDO) can be mapped to physical digital outputs (relays) of other Poseidon2 or Danco2es2 units on the same LAN.

Examples for programming on using the product are available in the **HW-5Vdc-5Vdc** (External 5Vdc, MS Excel, V6, CR, PHP, JAVA and more).

HW-5Vdc-5Vdc Set and sensors for LAN and WAN are available in the **HW-5Vdc-5Vdc** (External 5Vdc, MS Excel, V6, CR, PHP, JAVA and more).

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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
- WAC monitoring
- Cooler and freezer monitoring + alarm indication
- Security and surveillance systems
- Smart buildings

Selected features

Selected features	4032	3468	3468	3036
Inputs	1-Wire UNI	32	8	8
Outputs	RS-485	32	4	4
Relays	None	2	2	2
Power	9-30V	9-30V	9-30V	9-30V
Virtual	Yes	Yes	Yes	Yes
Connected	LAN	LAN	LAN	LAN

Configuration interface

Versions and related products


Product	Description
Poseidon2 4002	Remote monitoring and control of a power device
Poseidon2 3468 Tst	Remote monitoring and control of a power device
Poseidon2 3268 Tst	Remote monitoring and control of a power device
HW-5Vdc-5Vdc Set	5Vdc sensors for LAN and WAN

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Flyer A4 (210×297 mm)

Damocles2 MINI



Damocles2 MINI
Smart I/O controlled over a LAN

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

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

Damocles2 MINI provides 4 digital dry contact inputs. All digital inputs feature 50 pulse counters with a memory to connect water, gas, electricity or other meters. Damocles2 MINI controls 2 digital relay outputs (DO).

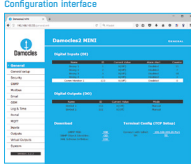
A built-in web server is used for configuring. The device can be monitored remotely over the Internet using the SensiDesk portal or the SensiDesk Mobile app. Damocles2 MINI is a compact Ethernet I/O device with enhanced IP security.

Damocles2 devices are designed to monitor and control digital I/O over the network using secure MGM protocols (HTTPS, IPv6, 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 + Ring" function
- MQTT compatibility allows connecting to IoT Hub, MS Azure, AWS IoT, Siemens Internet of Things and other cloud services
- When a DI state changes, the device sends an e-mail, SMS, SNMP Trap, or activates a remote relay at another Damocles2 unit
- With the HWg-PDMS software, DI pulses can be converted to cost per time period and exported to MS Excel
- MQTT compatibility allows connecting to IoT Hub, MS Azure, AWS IoT, Siemens Internet of Things and other cloud services
- To send an alarm SMS whenever a DI state changes, use the HWg-Finger software, or a HWg-SMS-GW gateway on the same LAN
- Examples for programming are available in the HWg-SDK (Borland C++, MS Visual, VB, C#, PHP, JAVA and more)
- Supports up to 8 virtual digital outputs (VDO) that can be mapped to physical digital outputs (DO)
- Damocles2 units on the network

Configuration interface



Versions and related products



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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

Damocles2 MINI provides 4 digital dry contact inputs. All digital inputs feature 50 pulse counters with a memory to connect water, gas, electricity or other meters. Damocles2 MINI controls 2 digital relay outputs (DO).

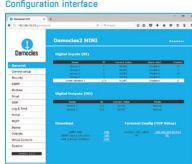
A built-in web server is used for configuring. The device can be monitored remotely over the Internet using the SensiDesk portal or the SensiDesk Mobile app. Damocles2 MINI is a compact Ethernet I/O device with enhanced IP security.

Damocles2 devices are designed to monitor and control digital I/O over the network using secure MGM protocols (HTTPS, IPv6, 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.


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- To send an alarm SMS whenever a DI state changes, use the HWg-Finger software, or a HWg-SMS-GW gateway on the same LAN
- Examples for programming are available in the HWg-SDK (Borland C++, MS Visual, VB, C#, PHP, JAVA and more)
- Supports up to 8 virtual digital outputs (VDO) that can be mapped to physical digital outputs (DO)
- Damocles2 units on the network

Configuration interface




Versions and related products



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Damocles2 1208



Damocles2 1208
Industrial I/O with enhanced IP security and DC outputs

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

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

Damocles2 1208 provides 12 digital dry contact inputs (DI). All digital inputs feature 50 pulse counters with a memory to connect water, gas, electricity or other meters. Damocles2 1208 controls 8 digital open collector outputs (DO).

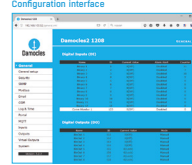
A built-in web server is used for configuring. The device can be monitored remotely over the Internet using the SensiDesk portal or the SensiDesk Mobile app. Damocles2 1208 is an Ethernet I/O device with enhanced IP security and an excellent cost per I/O pin ratio.

Damocles2 devices are designed to monitor and control digital I/O over the network using secure MGM protocols (HTTPS, IPv6, 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 + Ring" function
- MQTT compatibility allows connecting to IoT Hub, MS Azure, AWS IoT, Siemens Internet of Things and other cloud services
- When a DI state changes, the device sends an e-mail, SMS, SNMP Trap, or activates a remote relay at another Damocles2 unit
- With the HWg-PDMS software, DI pulses can be converted to cost per time period and exported to MS Excel
- MQTT compatibility allows connecting to IoT Hub, MS Azure, AWS IoT, Siemens Internet of Things and other cloud services
- To send an alarm SMS whenever a DI state changes, use the HWg-Finger software, or a HWg-SMS-GW gateway on the same LAN
- Examples for programming are available in the HWg-SDK (Borland C++, MS Visual, VB, C#, PHP, JAVA and more)
- Supports up to 8 virtual digital outputs (VDO) that can be mapped to physical digital outputs (DO)
- Damocles2 units on the network

Configuration interface



Versions and related products



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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

Damocles2 1208 provides 12 digital dry contact inputs (DI). All digital inputs feature 50 pulse counters with a memory to connect water, gas, electricity or other meters. Damocles2 1208 controls 8 digital open collector outputs (DO).

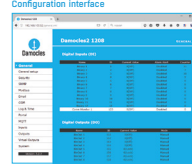
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Basic features of Damocles2 devices:

- Web-based configuration
- All inputs feature 32-bit pulse counters that retain their value even if the power fails
- Supports "SMS + Ring" function
- MQTT compatibility allows connecting to IoT Hub, MS Azure, AWS IoT, Siemens Internet of Things and other cloud services
- When a DI state changes, the device sends an e-mail, SMS, SNMP Trap, or activates a remote relay at another Damocles2 unit
- With the HWg-PDMS software, DI pulses can be converted to cost per time period and exported to MS Excel
- MQTT compatibility allows connecting to IoT Hub, MS Azure, AWS IoT, Siemens Internet of Things and other cloud services
- To send an alarm SMS whenever a DI state changes, use the HWg-Finger software, or a HWg-SMS-GW gateway on the same LAN
- Examples for programming are available in the HWg-SDK (Borland C++, MS Visual, VB, C#, PHP, JAVA and more)
- Supports up to 8 virtual digital outputs (VDO) that can be mapped to physical digital outputs (DO)
- Damocles2 units on the network

Configuration interface



Versions and related products




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Flyer A4 (210×297 mm)

Damocles2 2404



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

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

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

Technical specifications

Interface	RS485 (RS485-2T, 120 Ohm Impedance, supports PFC (Pre-emptive Error Report))
Supported protocols	Modbus/RTU, Modbus/TCP, IEC 60870-5-104, IEC 60870-5-203, IEC 60870-5-205, IEC 60870-5-207
SNMP compatibility	Ver. 1, compliant with Ver. 3

Digital Inputs (DI)

Input	0 - 24
Type	24V Digital Input (supports NO/NC Dry contact)
Pulse counter	32-32-bit

Digital Outputs (DO)

Input	16V, 12V, 24V, 48V, 24V+ relay contacts (DC-DC-NO)
Relay load	16V, 12V, 24V

Power

Internal memory	256-512K bytes
External memory	SD
Power	0-24V DC, 48V AC PSE

Supported features

- HWg-Trigger: Alert notification to SMS, HTTP via messages, IEC notification
- HWg-PMDS: Logging of status, graphs, reports to MS Excel
- Web software: The gateway software HWg-GW3

Dimensions / notes

Dimensions	175x45x135 mm
Weight	400 g


Configuration Interface

Extension of HWg	2 nd generation Damocles2 2404
Extension of HWg	✓
SNMP	✓
HWg-Trigger (Extended output)	✓
Extended HWg-PMDS (SNMP)	✓
Virtual Output (SMS)	✓
Modbus interface (SNMP)	✓
HTTP	✓
MQTT (not supported)	✓
Group Alarm	✓

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 + Ring" function
- MQTT compatibility allows connecting to IoT Hub, MS Azure, AWS IoT Services, Internet of Things and other cloud services
- When a DI state changes, the device sends an e-mail, SMS, SNMP Trap, or activates a remote relay at another Damocles2 unit
- With the HWg-PMDS software, SD status can be converted to cost per time period and exported to MS Excel
- To send an alarm SMS whenever a DI state changes, use the HWg-Trigger software, or a HWg-SMS-GW gateway (if the same LAN)
- Examples for programming are available in the HWg-GW3 (Backend C++, MS Visual, VB, C#, PHP, JAWA and more)
- Supports up to 8 virtual digital outputs (VDO) that can be mapped to physical digital outputs

Versions and related products



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

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

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

Technical specifications

Interface	RS485 (RS485-2T, 120 Ohm Impedance, supports PFC (Pre-emptive Error Report))
Supported protocols	Modbus/RTU, Modbus/TCP, IEC 60870-5-104, IEC 60870-5-203, IEC 60870-5-205, IEC 60870-5-207
SNMP compatibility	Ver. 1, compliant with Ver. 3

Digital Inputs (DI)

Input	0 - 24
Type	24V Digital Input (supports NO/NC Dry contact)
Pulse counter	32-32-bit

Digital Outputs (DO)

Input	16V, 12V, 24V, 48V, 24V+ relay contacts (DC-DC-NO)
Relay load	16V, 12V, 24V

Power

Internal memory	256-512K bytes
External memory	SD
Power	0-24V DC, 48V AC PSE

Supported features

- HWg-Trigger: Alert notification to SMS, HTTP via messages, IEC notification
- HWg-PMDS: Logging of status, graphs, reports to MS Excel
- Web software: The gateway software HWg-GW3

Dimensions / notes

Dimensions	175x45x135 mm
Weight	400 g


Configuration Interface

Extension of HWg	2 nd generation Damocles2 2404
Extension of HWg	✓
SNMP	✓
HWg-Trigger (Extended output)	✓
Extended HWg-PMDS (SNMP)	✓
Virtual Output (SMS)	✓
Modbus interface (SNMP)	✓
HTTP	✓
MQTT (not supported)	✓
Group Alarm	✓

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 + Ring" function
- MQTT compatibility allows connecting to IoT Hub, MS Azure, AWS IoT Services, Internet of Things and other cloud services
- When a DI state changes, the device sends an e-mail, SMS, SNMP Trap, or activates a remote relay at another Damocles2 unit
- With the HWg-PMDS software, SD status can be converted to cost per time period and exported to MS Excel
- To send an alarm SMS whenever a DI state changes, use the HWg-Trigger software, or a HWg-SMS-GW gateway (if the same LAN)
- Examples for programming are available in the HWg-GW3 (Backend C++, MS Visual, VB, C#, PHP, JAWA and more)
- Supports up to 8 virtual digital outputs (VDO) that can be mapped to physical digital outputs

Versions and related products



Back page

HWg-SMS-GW3



HWg-SMS-GW3
A gateway for sending SMS messages from HWg devices

Configuration Interface

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

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

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


HWg-SMS-GW3 can be used for sending text messages also from HWg software applications (HWg-Trigger, HWg-GW3) and SensiDesk.com online portal. A plug-in is available for sending SMS from the Nagios system.

Only one SIM card is needed for sending SMS messages from all HWg products.	An SMS gateway for your online SensiDesk.com portal account.	HWg-GW3 sends a text message upon unauthorized access to your rack.
HWg-Trigger can notify you by an SMS of a connection issue of any device in your network.	Can be used as a gateway also for HWg-Trigger, HWg-GW3, Nagios and other applications.	Sends messages from any connected device, even with no internet connection.
Sends SMS from your SensiDesk.com account.	No text messaging software needed.	Nagios can send its alert messages via SMS.

Compatibility: LAN, Web server, GSM/GPRS, SNMP, SensiDesk portal compatible, Third party compatible, Industry 4.0 ready

Front page

double sided



HWg-SMS-GW3
A gateway for sending SMS messages from HWg devices

Features

- No software needed for sending SMS alarms. Works in the Box-2-Box mode as a Peer-to-Peer.
- Compatible devices: HWg-PMDS 3/2/25, HWg-WLD, Posidon and Damocles2 IP Watchdog.
- Compatible software: HWg-GW3, HWg-Trigger, Nagios.
- Compatible online services: SensiDesk.com.
- Web-based setup and configuration.
- SMS recipients phone numbers are set in the devices (software). A single HWg-SMS-GW3 can then send messages to tens 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-GW3 (Backend C++ Build: MS Visual C, VB, Delphi, C#, PHP, JAWA).

Connection

Interface	USB Modem
IP protocols	HTTP (HTTP), HTTPS
GSM	Quad-Band GSM / GPRS / EDGE / U.S. 1900 MHz
Antenna	External, SMA Quad-Band, 3m


Advanced event

SMI queue memory	100 messages
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Parameters

Power	5-15V / 0.4A
Dimensions	100x76x31 mm
Environment	From -20°C to +65°C (from -4°F to +149°F)
Supported DV	HWg-PMDS, HWg-Trigger

Versions and related products



Back page

Flyer A4 (210×297 mm)

HWg-STE

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

Define optimal storage conditions. With application software, HACCP reports can be created.

Service provision monitoring

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.

Supplied with an AC adapter and a temperature sensor.

Easily create temperature graphs in MS Excel.

Front page

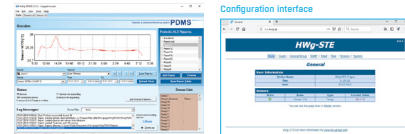
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Basic features

- 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

Parameter	Value
Ethernet	100 Mbit/s
IP protocols	AWS, TCP/IP (HTTP, SMTP, UDP/IP (DHCP))
DHCP for IP assignment	Yes
SNMP	First SMI, Ver. 1.0/2.0 (optional)
MIB protocols	MIB, MIB2, SNMP
Accuracy	±0.5°C (20°C to 40°C) ±0.5°C (40°C to 80°C)
Power	5V 1.0W
Operating temperature	0°C to 65°C

Configuration interface





Temp 1-Wire Flat 3in

Temperature sensor for indoor and outdoor use with a precision and fast response, suitable for cable sensors for measuring temperature in refrigerators and freezers.

Temp 1-Wire Back 3D

Digital temperature and humidity sensor, designed for 1-Wire systems, responds to 0.1 °C or 0.1 °F.

UPS 12V and 5V

Cost-effective uninteruptible power supply for most remote powered devices 12V or 5V adapters.

HWg-PDMS

Monitoring software with charts and MS Excel output. Windows application for data collection using SNMP and LAN.

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Back page

STE2

HWg-STE

WiFi / Ethernet thermometer with DI inputs



- Temperature
- Humidity
- Digital inputs
- E-mail 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.

Air-conditioning failure

Changes in temperature point to a failure of an A/C unit.

HVAC supervision

Remote control of HVAC, email alert, or SMS (e-mail 2-SMS, HWg-SMS-DWS).

Heating optimisation

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

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 environmental conditions.

Monitoring of refrigerator or freezer

Sends e-mail if the refrigerator fails. Logs operating and storage conditions.

Food storage

Oversees optimal storage conditions. Using application software, you can create HACCP protocols.

Front page

double sided

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 (Email)
- Security password protected
- Supplied with Windows software HWg-PDMS for graphing and data export to MS Excel

Connectivity	Ethernet: 10/100/1000-Tx, supports PoE (IEEE 802.3af)
WiFi	Internal antenna, 2.4GHz, 802.11 b/g/n
Web	Built-in web server
Power	Version 1 only, assembled, same parts of version 2
External sensors	
Sensors	2x Flat 3in, 2 temperature or humidity sensors
DI input	2x Input for potential-free contact

Configuration	Default: IP, Web, email
NMS protocols	SNMP, MIB, HWg-MIB
Alarms	Email, HWg Push, SMS (with extensions of HWg-SMS-DWS)

Recommended Software	
HWg-PDMS	Installation of sensors to SMI, First-Use, Advanced PC
HWg-PDMS	Logging, graphs, report to MS Excel
Other software	3rd side software, HWg-SMS

Parameters	
Power supply	5V / 1A or 5V Power 2 (5.0V, max 2.35A)
Temperature range	Operating: -20°C / -4°F to 65°C / 149°F
Humidity range	Operating: 20% / 40% to 95% / 95% RH
Dimensions	65x40x30 mm
Weight	500g







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Flyer A4 (210×297 mm)

HWg-Ares 10



Ares 10

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

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

Ares 10 is a cost-effective GSM thermometer for remote monitoring and alerting 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, send alarms or display graphs. Ares 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 calls specified numbers.

Ares products are ready for remote mass deployment using FOTA (Firmware Over The Air).

Connect up to 3 sensors over the 3-Wire / 3-Wire LHM (RS485) 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 "AccessCtrl" tab in the SensDesk portal. Remote firmware updates (FOTA) capability makes Ares devices ideal for large-scale deployments.

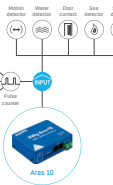
Data can be sent in e-mail attachments or downloaded via USB. Display the data using the SensDesk portal, its iOS or Android mobile version, or third-party apps (Nagios etc.).

The "Start" 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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double sided



Ares 10

Typical application examples

- Electricity distribution networks (transformer stations, 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

Category	Parameter	Value
Cable cables	Interface	Quad Shield RS485 (RS485-1500/1500Vdc, RS485 Class 2) Compliant to IEC61038-21-2 - Class A (200 @ 1000/1500Vdc) - Class 1 (200 @ 1000/1500Vdc)
	Max. distance	Up to 1200 meters (RS485-1500/1500Vdc)
	Max. distance	Up to 1200 meters (RS485-1500/1500Vdc)
Sensors	Type	Using integral electronics 3-Wire 3-Wire LHM
	Connector	RS485 (3-Wire Bus)
	Inputs	Up to 2 sensors
	Sensor distance	Up to 1200m
Dry contact inputs	Port	IL, IO
	Type	Digital Input (Supports NO/NC Dry contact)
	Capacity	1-20V / 500mA (Input on the terminal block can be connected to 24V DC)
	Max. distance	Up to 60m
Power input	Power	0-24V DC
	Type	Main device power input (Typically 500mA)
	Connector	2-pin Terminal Block 2-pin (max. 2.5mm)
Physical parameters	Temperature range	Operating: 5 to +50°C (41 to +122°F) Storage: -25 to +70°C (-13 to +158°F)
	Dimensions / Weight	76x53x28 mm / 100g
	IP67	IP67 (max. 1m Water, 1h)
	EMC	EN 55022, EN 55024, EN 55032, EN 55034
Configuration Interface		
Web browser	Mobile	PC
AccessCtrl	Yes	Yes
External Relay Outputs compatible	No	Yes
Battery	No	Yes
3-Wire LHM sensors	Ares 10	Ares 12
External Relay Outputs compatible	No	Yes
Battery	No	Yes

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HWg-Ares 12



Ares 12

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

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

Ares 12 is an industrial unit for remote monitoring and alarming over GSM 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, send alarms or display graphs. Ares 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 calls specified numbers.

Ares 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 3-Wire/3-Wire LHM bus (RS485) and up to 2 dry contact inputs for external detectors.

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

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

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

Ares 12 can be mounted to a wall or a DIN rail.

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Ares 12

Typical application examples


- CPDS monitoring of machines and their environment
- ATMs - environment monitoring without tampering with the connection
- Art exhibits and diagnostics
- Storage of food or materials
- Cooling systems and coolers

Category	Parameter	Value
Cable cables	Interface	Quad Shield RS485 (RS485-1500/1500Vdc, RS485 Class 2) Compliant to IEC61038-21-2 - Class A (200 @ 1000/1500Vdc) - Class 1 (200 @ 1000/1500Vdc)
	Max. distance	Up to 1200 meters (RS485-1500/1500Vdc)
	Max. distance	Up to 1200 meters (RS485-1500/1500Vdc)
Sensors	Type	Using integral electronics 3-Wire 3-Wire LHM
	Connector	RS485 (3-Wire Bus)
	Inputs	Up to 14 sensors
	Sensor distance	Up to 1200m
Dry contact inputs	Port	IL, IO
	Type	Digital Input (Supports NO/NC Dry contact)
	Capacity	1-20V / 500mA (Input on the terminal block can be connected to 24V DC)
	Max. distance	Up to 60m
Power input	Power	0-24V DC
	Type	Main device power input (Typically 500mA)
	Connector	2-pin Terminal Block 2-pin (max. 2.5mm)
Physical parameters	Temperature range	Operating: 5 to +50°C (41 to +122°F) Storage: -25 to +70°C (-13 to +158°F)
	Dimensions / Weight	76x53x28 mm / 100g
	IP67	IP67 (max. 1m Water, 1h)
	EMC	EN 55022, EN 55024, EN 55032, EN 55034
Configuration Interface		
Web browser	Mobile	PC
AccessCtrl	Yes	Yes
External Relay Outputs compatible	Yes	Yes
Battery	Yes	No
3-Wire LHM sensors	Ares 12	Ares 10
External Relay Outputs compatible	Yes	No
Battery	Yes	No

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Flyer A4 (210×297 mm)

Ares 10 LTE



HWgroup
Ares
Ares 10 LTE
Low-cost GSM/LTE thermometer with remote management and alarming via calls, texts or e-mail

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

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

Specifications

Interface

3-Wire sensors

Digital inputs

SMS notifications

E-mail notifications

Data logging

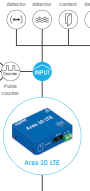
USB data port

SensDesk portal compatible

XML interface

Front page

double sided



HWgroup
Ares
Ares 10 LTE
Low-cost GSM/LTE thermometer with remote management and alarming 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

Specifications

Interface

3-Wire sensors

Digital inputs

SMS notifications

E-mail notifications

Data logging


USB data port

SensDesk portal compatible

XML interface

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Ares 12 LTE



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

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

Typical application examples

- CPDS monitoring of machines and their environment
- AFMS - environment monitoring without tampering with the connection
- Art exhibits and depots
- Storage of food or materials
- Cooling systems and coolers

Specifications

Interface

3-Wire sensors

Digital inputs

SMS notifications

E-mail notifications


Data logging

USB data port

SensDesk portal compatible

Front page

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

Typical application examples

- CPDS monitoring of machines and their environment
- AFMS - environment monitoring without tampering with the connection
- Art exhibits and depots
- Storage of food or materials
- Cooling systems and coolers

Specifications

Interface

3-Wire sensors

Digital inputs

SMS notifications

E-mail notifications

Data logging


USB data port

SensDesk portal compatible

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Flyer A4 (210×297 mm)

Temp 1Wire Pt1000



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
- Frost version available (-200°C - 180°C)
- Compatible with Position2, HW-ST2, ST22, HW-400, 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 - 180°C Frost version available)
Accuracy	±(0.25 + 0.0025)
Resolution	0.10
Protection	IP67
Cable length	3m
Calibration	Yes, in 8 points

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double sided

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.

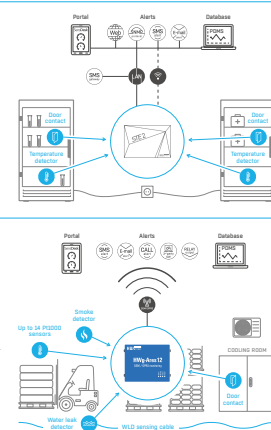
For more advanced applications we offer units with wide range of I/O protocols including Smart Modbus, I2C, RS485, CAN, RS485 and more. HW group devices are also supported by many 3rd party applications and clouds.

Temperature monitoring in freezers, food storages and medical applications

The ST22 device can monitor precise temperature in 2 independent fridges. 2 door contacts can be connected to see if the fridge door has been opened. The data can be visualized on our free IoT portal SensDesk.com. You can also receive analytical reports and review data history. The data can also be retrieved from the device itself without the need for a portal. Email alerts can occur when values are out of range. SMS alarm calls are available when you connect the SMS Gateway device.

Temperature monitoring in industrial applications and warehouses

The Area devices can connect up to 12 Pt1000 sensors and send the data over GSM/GPRS or LTE. The Area 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 alarms can warn you when values are out of range.



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Back page

SensDesk



SensDesk
Monitoring and control 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 TO USE SENSDESK.COM?

- Alerts over Email, SMS and remote outputs**
SensDesk.com will alert you and even trigger a remote output for an on-site alarm.
- Configurable and scalable**
Friendly for users with a few sensors and robust for installations with hundreds of measuring points.
- Groups and Locations**
All your sensors can be started in groups and assigned with locations and sublocations.
- Secure and private**
Your data is yours. We do not use it in any way and we make sure the transfer is secure.
- SensDesk.com is free**
No fees for up to 10 devices (hundreds of sensors). Unlimited accounts available.

APPLICATIONS AND USAGE

- IT**
Monitoring of operating conditions in server rooms and data centers
- Industry**
Monitoring of critical infrastructure, manufacturing lines and storages
- Energy**
Monitoring of technology and power, gas, water and heat consumption
- Food Industry**
Monitoring of storage and transfer conditions (HACCP)
- Pharmaceutical Industry**
Monitoring of medicinal material storage and transportation

Front page

double sided

Alert services

You can set a safe range of values for any sens 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 states.

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 operating range limits. Recorded 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 an unlimited number of sensors, connected to up to 10 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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The SensDesk portal is provided in software as a service (SaaS) mode by HW group. Connection of 3rd party devices is not supported.
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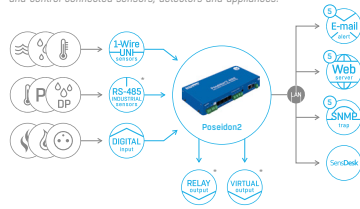
Poster A1 (594×841 mm)

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.



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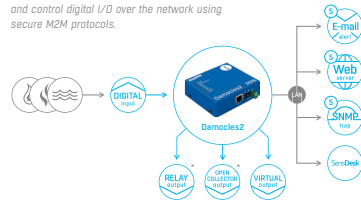
* Depending on the purchase model of the Poseidon2 series.

Damocles2



Damocles2

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



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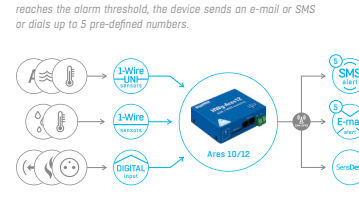
* Depending on the purchase model of the Damocles2 series.

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.



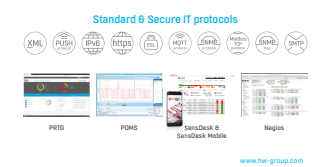
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HW group IoT platform



HW group IoT platform

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



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Roll-up (850×2000 mm)

Poseidon2

Poseidon2

The Poseidon2 devices connect many servers and a great number of IoT devices (posed in the cloud) on the user side monitor and control connected sensors, detectors and appliances.

HW group s.r.l. is a Greek technological company focused on development, production and distribution of solutions for sensor monitoring, alerting and control via IoT. HW are able, with their unique set of industrial case, the company is active since 2003 and supplies its products to some 5000 customers worldwide.

Poseidon 200	Poseidon 205	Poseidon 210	205
200	205	IP monitoring solution	205

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Damocles2

Damocles2

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

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Poseidon 200	Poseidon 205	Poseidon 210	Poseidon 205
200	205	IP monitoring solution	205

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HWg-Ares10/12

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 calls up to 8 pre-defined numbers.

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Poseidon 200	Poseidon 205	Poseidon 210	Poseidon 205
200	205	IP monitoring solution	205

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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.

Poseidon 200	Poseidon 205	Poseidon 210
200	205	205

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IoT platform

HW group IoT platform

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

Sensors for IoT portal Sensdesk

Wireless public and private networks

Web User Interface **Cloud Solution**

Standard & Secure IT protocols

www.hw-group.com

**Thank you for
your attention.**



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