



# HW group

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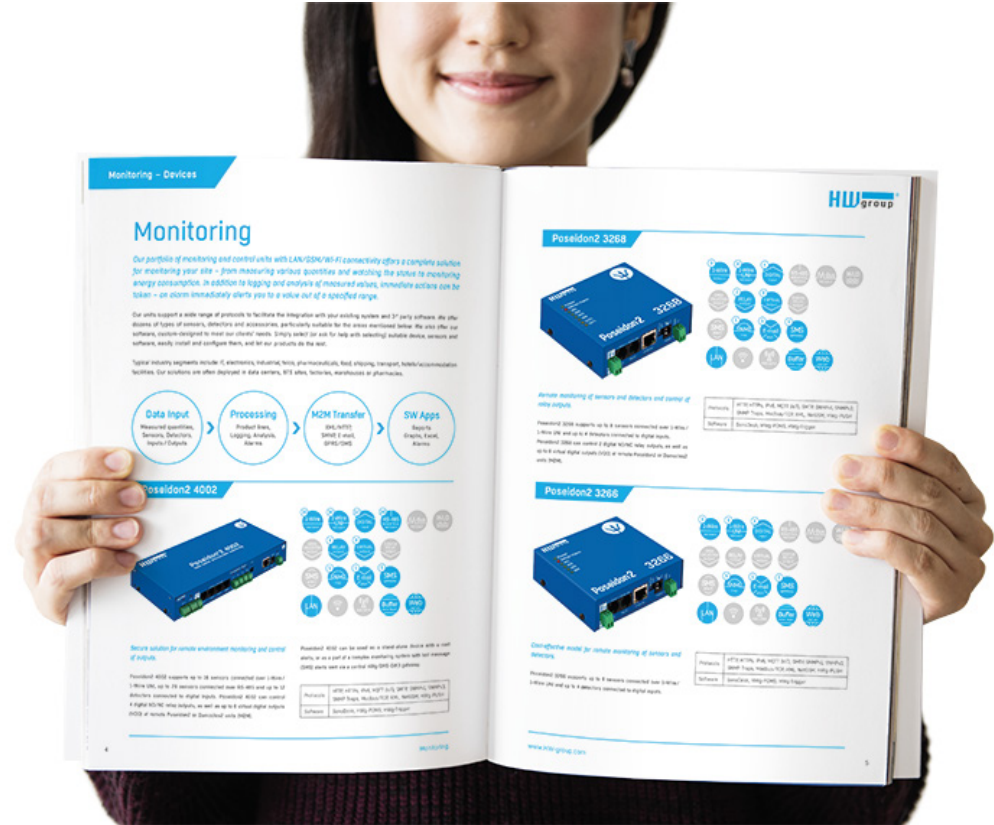
*Promo materials 2019*



# 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 [iPPV-IPMS](#) and [iWay-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 [iPPV-IPMS](#) or [iWay-Trigger](#) mobile application, or a [iPPV-IPMS](#) or [iWay-Trigger](#) gateway in the same LAN.

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

Examples for programming are using the [Standard Control](#) (Standard Co., MS Visual, V6, C#, PHP, 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, Siemens InTouch of Things and other cloud services.

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

With the [Standard Control](#) (Standard Co., MS Visual, V6, C#, PHP, JAVA, and more).

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

Examples for programming are using the product as available in the [Standard Control](#) (Standard Co., MS Visual, V6, C#, PHP, JAVA, and more).

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

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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

**Technical specifications**

LAN	1x RJ45 (10/100/1000) - 1x 10/100 Mbps
Supported protocols	HTTP (GET, POST), SNMPv3, Modbus/TCP (HTTP, IPv6, Modbus, RTU)
Ports	2x 1-Wire LAN / 1-Wire
Sensors	Up to 8 sensors (with 1-Wire interface)
Detectors	Up to 4 digital inputs with 32-bit pulse counters
Dimensions / mass	100x120x40mm
Weight	300g
Mounting	Panel
Storage	1000000 records
Recorded values	15, 100
Power	0-30 V DC, (PHE optional)

**User interface**

- Built-in Web server: Device configuration and data readings
- Standard Control / Standard Mobile application: Cloud panel for data readings and alarming
- Way-Trigger: Alert notification to SMS, pop-up messages, PC notification
- Way-IPMS: Logging of values, graphs, export to MS Excel
- More software: Third-party software, Web GUI

**Poseidon2 model comparison**

Parameter	3266	3268	3268S	3268T	3268U
Inputs	1-Wire LAN: 8	12	8	8	8
Outputs	Relay: 2	2	2	2	2
Power	0-30V	✓	✓	✓	✓
LAN	LAN	✓	✓	✓	✓
Connected	32-623	✓	✓	✓	✓

**Configuration interface**

**Versions and related products**

- Poseidon2 3266: Standard device
- Poseidon2 3268 T36T: Includes temperature sensors, air control and a power alarm
- Poseidon2 3268 T36T: Includes temperature sensors, air control and a power alarm
- Poseidon2 3268 T36T: Includes temperature sensors, air control and a power alarm
- Poseidon2 3268 T36T: Includes temperature sensors, air control and a power alarm
- HW-3268-DW-Set: Set of sensors for LAN and wireless connection

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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 (VDO) 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 [iPPV-IPMS](#) and [iWay-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, Siemens InTouch of Things and other cloud services.

With the [Standard Control](#) (Standard Co., MS Visual, V6, C#, PHP, JAVA, and more).

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

Examples for programming are using the product as available in the [Standard Control](#) (Standard Co., MS Visual, V6, C#, PHP, JAVA, and more).

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

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## double sided

**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

**Technical specifications**

LAN	1x RJ45 (10/100/1000) - 1x 10/100 Mbps
Supported protocols	HTTP (GET, POST), SNMPv3, Modbus/TCP (HTTP, IPv6, Modbus, RTU)
Ports	1x 1-Wire LAN / 1-Wire
Sensors	Up to 8 sensors (with 1-Wire interface)
Detectors	4x digital inputs with 32-bit pulse counters
Outputs	2x Relay (NO/NC) 24V 1A
Virtual Digital Outputs (VDO)	Up to 8 (can be mapped to another Poseidon2 or Damocles2)
Dimensions / mass	100x120x40mm
Weight	300g
Mounting	Panel
Storage	1000000 records
Recorded values	15, 100
Power	0-30 V DC, (PHE optional)

**User interface**

- Built-in Web server: Device configuration and data readings
- Standard Control / Standard Mobile application: Cloud panel for data readings and alarming
- Way-Trigger: Alert notification to SMS, pop-up messages, PC notification
- Way-IPMS: Logging of values, graphs, export to MS Excel
- More software: Third-party software, Web GUI

**Poseidon2 model comparison**

Parameter	3266	3268	3268S	3268T	3268U
Inputs	1-Wire LAN: 8	12	8	8	8
Outputs	Relay: 2	2	2	2	2
Power	0-30V	✓	✓	✓	✓
LAN	LAN	✓	✓	✓	✓
Connected	32-623	✓	✓	✓	✓

**Configuration interface**


**Versions and related products**

- Poseidon2 3266: Standard device
- Poseidon2 3268 T36T: Includes temperature sensors, air control and a power alarm
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- Poseidon2 3268 T36T: Includes temperature sensors, air control and a power alarm
- HW-3268-DW-Set: Set of sensors for LAN and wireless connection

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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 IUM 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 IUM / 1-Wire and up to **6 sensors** 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 Damocles2 units (DM2).

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** interface, 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 Damocles2 units on the same LAN.

For wiring 5Vdc alarm into the **SmartWeb** software (external CPU modules required), see **SmartWeb** manual in the same LAN.

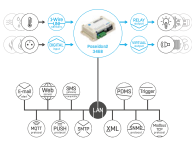
Examples for programming on using the product are available in the **SmartWeb** (Relay On, MS Excel, I/O, CR, PHP, Java and more).

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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



**Poseidon2 model comparison**

Selected features	4002	3468	3468	3005
Inputs	1-Wire IUM	32	8	8
Outputs	RS-485	28	-	-
Relays	None	2	2	2
Power	9-30V	9-30V	9-30V	9-30V
Connected	LAN	LAN	LAN	LAN

**Versions and related products**



**General**

Model: HW-3005A02-C4-10-100-1000

Support protocols: MQTT (IPv6), SNMPv3, HTTP, IPv6, Modbus (RTU, TCP), IEC, IEC, Modbus

**Sensors**

Digital Outputs (DO): 1-Wire Output 230V I/A

Virtual Digital Outputs (VDO): 20 (can be mapped to remote Poseidon2 or Damocles2)

**Dimensions / mass**

Dimensions: 145x40x40mm

Mass: 200g

Mounting: Plastic

**Power**

Normal voltage: 230/200 Volts

Max. current: 16 A

Power: 3-30V DC, 48V DC

**Web interface**

Access authentication and data encryption

SmartWeb Panel / SmartWeb Mobile application


Cloud panel for data readings and alarming

Alert notification to SMS, push messages, PC connection

Logging of relays, graphs, export to MS Excel

More software: Three party software, HWg-DM2

**Configuration interface**



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## Poseidon2 4002



**Secure solution for remote environment monitoring and control of outputs**

- 1-Wire IUM 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 IUM / 1-Wire - 28 via RS-485), **32 relays** via digital dry contact relays (DO), **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** interface, 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 Damocles2 units on the same LAN.

For wiring 5Vdc alarm into the **SmartWeb** software (external CPU modules required), see **SmartWeb** manual in the same LAN.

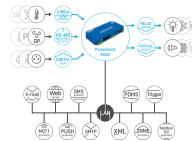
Examples for programming on using the product are available in the **SmartWeb** (Relay On, MS Excel, I/O, CR, PHP, Java and more).

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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



**Poseidon2 model comparison**

Selected features	4002	3468	3468	3005
Inputs	1-Wire IUM	32	8	8
Outputs	RS-485	28	-	-
Relays	None	2	2	2
Power	9-30V	9-30V	9-30V	9-30V
Connected	LAN	LAN	LAN	LAN

**Versions and related products**



**General**

Model: HW-3005A02-C4-10-100-1000

Support protocols: MQTT (IPv6), SNMPv3, HTTP, IPv6, Modbus (RTU, TCP), IEC, IEC, Modbus

**Sensors**

Digital Outputs (DO): 1-Wire Output 230V I/A

Virtual Digital Outputs (VDO): 20 (can be mapped to remote Poseidon2 or Damocles2)

**Dimensions / mass**

Dimensions: 145x40x40mm

Mass: 200g

Mounting: Plastic

**Power**

Normal voltage: 230/200 Volts

Max. current: 16 A

Power: 3-30V DC, 48V DC

**Web interface**

Access authentication and data encryption

SmartWeb Panel / SmartWeb Mobile application


Cloud panel for data readings and alarming

Alert notification to SMS, push messages, PC connection

Logging of relays, graphs, export to MS Excel

More software: Three party software, HWg-DM2


**Configuration interface**



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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 (HTTP, 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:**

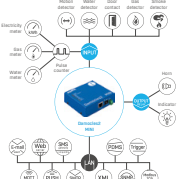
- Web-based configuration
- All inputs feature 32-bit pulse counters that retain their value even if the power fails
- Supports "SMS + Ring" function
- MQTT compatibility allows connecting to IoT Hub, MS Azure, AWS IoT, Siemens Internet of Things and other cloud services
- When a DI state changes, the 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 on using the product 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**



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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).**

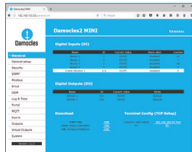
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- Web-based configuration
- All inputs feature 32-bit pulse counters that retain their value even if the power fails
- Supports "SMS + Ring" function
- MQTT compatibility allows connecting to IoT Hub, MS Azure, AWS IoT, Siemens Internet of Things and 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
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- MQTT compatibility allows connecting to IoT Hub, MS Azure, AWS IoT, Siemens Internet of Things and other cloud services
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- Supports up to 8 virtual digital outputs (VDO) that can be mapped to physical digital outputs (DO)
- Damocles2 units on the network

**Configuration interface**



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## Damocles2 1208



**Damocles2 1208**  
Industrial I/O with enhanced IP security and IO 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).**

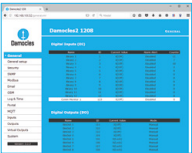
**A built-in web server is used for configuring. The device can be monitored remotely over the Internet using the SensiDesk portal or the SensiDesk Mobile app. Damocles2 1208 is an Ethernet I/O device with enhanced IP security and an excellent cost per I/O pin ratio.**

**Damocles2 devices are designed to monitor and control digital I/O over the network using secure MGM protocols (HTTP, 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:**

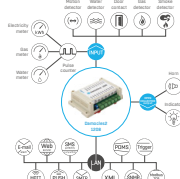
- Web-based configuration
- All inputs feature 32-bit pulse counters that retain their value even if the power fails
- Supports "SMS + Ring" function
- MQTT compatibility allows connecting to IoT Hub, MS Azure, AWS IoT, Siemens Internet of Things and other cloud services
- When a DI state changes, the 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 on using the product 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**



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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).**

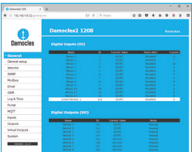
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**Basic features of Damocles2 devices:**

- 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
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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
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- Damocles2 units on the network

**Configuration interface**



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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

**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

**Key features**

- Using integral accessories: 3-Wire & 5-Wire Unit
- RS485 (3-Wire Bus)
- Up to 2 sensors
- Sensor distance: Up to 500m

**Dry contact inputs**

Port: IL, IO  
Type: Digital Input (Supports NO/NC Dry contact)  
Capacity: 1-20V & 500 mA (High up on the terminal block can be connected to 2V-50V)  
Max. distance: Up to 100m

**Power input**

Port: 0-24V DC  
Type: Main device power input (Typically 500mA)  
Capacity: 2-Wire (Power: 22-wire cable, 2-core) / Terminal Block

**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  
MPC: 400 Part No: Green R/L 02 - EN 50080, EN 50084

**Configuration interface**

Web browser: http://192.168.1.100

Connect up to 3 sensors over the 3-Wire / 5-Wire Unit (RS485) bus (max 3 measured values) and up to 2 digital dry contact inputs for external detectors.	Ares 10	Ares 12
3-Wire/5-Wire sensors	Yes	Yes
External Relay Outputs compatible	X	✓
Battery	X	✓


**Differences between Ares 10 vs. Ares 12**

**Versions and related products**

- Ares 10 plain: 24 100000000, 24 100000000
- Ares 10 set: 24 100000000, 24 100000000
- Ares 12: 24 100000000, 24 100000000
- Converter 2Wire/5Wire Unit: 24 100000000
- Back-UPS Life: 24 100000000

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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

**Key features**

- Using integral accessories: 3-Wire & 5-Wire Unit
- RS485 (3-Wire Bus)
- Up to 2 sensors
- Sensor distance: Up to 500m

**Dry contact inputs**

Port: IL, IO  
Type: Digital Input (Supports NO/NC Dry contact)  
Capacity: 1-20V & 500 mA (High up on the terminal block can be connected to 2V-50V)  
Max. distance: Up to 100m

**Power input**

Port: 0-24V DC  
Type: Main device power input (Typically 500mA)  
Capacity: 2-Wire (Power: 22-wire cable, 2-core) / Terminal Block

**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  
MPC: 400 Part No: Green R/L 02 - EN 50080, EN 50084

**Configuration interface**

Web browser: http://192.168.1.100

Connect up to 3 sensors over the 3-Wire / 5-Wire Unit (RS485) bus (max 3 measured values) and up to 2 digital dry contact inputs for external detectors.	Ares 10	Ares 12
3-Wire/5-Wire sensors	Yes	Yes
External Relay Outputs compatible	X	✓
Battery	X	✓

**Differences between Ares 10 vs. Ares 12**

**Versions and related products**

- Ares 10 plain: 24 100000000, 24 100000000
- Ares 10 set: 24 100000000, 24 100000000
- Ares 12: 24 100000000, 24 100000000
- Converter 2Wire/5Wire Unit: 24 100000000
- Back-UPS Life: 24 100000000

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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

**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

**Key features**

- Using integral accessories: 3-Wire & 5-Wire Unit
- RS485 (3-Wire Bus)
- Up to 2 sensors
- Sensor distance: Up to 500m

**Dry contact inputs**

Port: IL, IO  
Type: Digital Input (Supports NO/NC Dry contact)  
Capacity: 1-20V & 500 mA (High up on the terminal block can be connected to 2V-50V)  
Max. distance: Up to 100m

**Power input**

Port: 0-24V DC  
Type: Main device power input (Typically 500mA)  
Capacity: 2-Wire (Power: 22-wire cable, 2-core) / Terminal Block

**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  
MPC: 400 Part No: Green R/L 02 - EN 50080, EN 50084

**Configuration interface**

Web browser: http://192.168.1.100

Connect up to 14 sensors or a relay output extender unit over the 3-Wire/5-Wire Unit bus (RS485) and up to 2 dry contact inputs for external detectors.	Ares 12	Ares 10
3-Wire/5-Wire sensors	Yes	Yes
External Relay Outputs compatible	✓	X
Battery	✓	X


**Differences between Ares 12 vs. Ares 10**

**Versions and related products**

- Ares 12 plain: 24 100000000, 24 100000000
- Ares 12 set: 24 100000000, 24 100000000
- Ares 10: 24 100000000, 24 100000000
- Converter 2Wire/5Wire Unit: 24 100000000
- Back-UPS Life: 24 100000000

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## double sided



**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

**Key features**

- Using integral accessories: 3-Wire & 5-Wire Unit
- RS485 (3-Wire Bus)
- Up to 2 sensors
- Sensor distance: Up to 500m

**Dry contact inputs**

Port: IL, IO  
Type: Digital Input (Supports NO/NC Dry contact)  
Capacity: 1-20V & 500 mA (High up on the terminal block can be connected to 2V-50V)  
Max. distance: Up to 100m

**Power input**

Port: 0-24V DC  
Type: Main device power input (Typically 500mA)  
Capacity: 2-Wire (Power: 22-wire cable, 2-core) / Terminal Block

**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  
MPC: 400 Part No: Green R/L 02 - EN 50080, EN 50084

**Configuration interface**

Web browser: http://192.168.1.100

Connect up to 14 sensors or a relay output extender unit over the 3-Wire/5-Wire Unit bus (RS485) and up to 2 dry contact inputs for external detectors.	Ares 12	Ares 10
3-Wire/5-Wire sensors	Yes	Yes
External Relay Outputs compatible	✓	X
Battery	✓	X

**Differences between Ares 12 vs. Ares 10**

**Versions and related products**

- Ares 12 plain: 24 100000000, 24 100000000
- Ares 12 set: 24 100000000, 24 100000000
- Ares 10: 24 100000000, 24 100000000
- Converter 2Wire/5Wire Unit: 24 100000000
- Back-UPS Life: 24 100000000

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# Flyer A4 (210×297 mm)

## 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 relay outputs. SensDesk is easy to setup, just connect your HW group device to the Ethernet, 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 SENSEDESK.COM?**

**Alerts over Email, SMS and remote outputs**  
SensDesk.com will alert you and even trigger a remote relay 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 sorted 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 medical material storage and transportation

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## 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, both 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 relay 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 energy makes it easy for you to see alerts at a glance. All data are presented in charts, with visible operating safe 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 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.

**HW group**  
The SensDesk portal is provided in software as a service (SaaS) made by HW group. Connection of 3rd party devices is not supported.  
HW group s.r.o. | Farnatova 256 | Prague, 164 00 | Czech Republic | Phone: +420 222 811 918 | [www.hw-group.com](http://www.hw-group.com)

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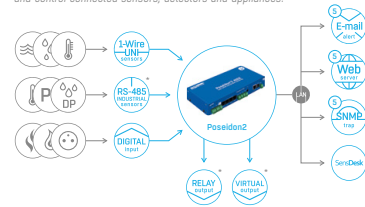
# Poster A1 (594×841 mm)

## 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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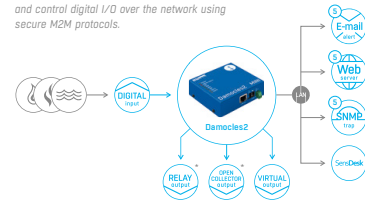
\* Depending on the purchase model of the Poseidon2 series.

## Damocles2



### Damocles2

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



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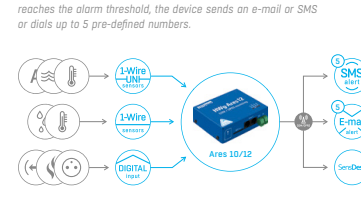
\* Depending on the purchase model of the Damocles2 series.

## 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.



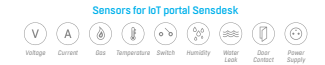
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## HW group IoT platform



### HW group IoT platform

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



#### Wire & Wireless public and private networks



#### Web User Interface



SensDesk

#### Cloud Solution



Kross

#### Standard 6 Secure IT protocols



www.hw-group.com

# 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 special care, to meet demands of industrial user. The company is active since 2003 and supplies its products to more than 40 countries worldwide.

<b>Poseidon 200</b>	<b>Poseidon 205</b>	<b>Poseidon 210</b>	<b>205</b>
<b>200</b>	<b>205</b>	<b>IP monitoring solutions</b>	<b>205</b>

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## Damocles2

**Damocles2**

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

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 special care, to meet demands of industrial user. The company is active since 2003 and supplies its products to more than 40 countries worldwide.

<b>Damocles 200</b>	<b>Damocles 205</b>	<b>Damocles 210</b>	<b>Damocles 205</b>
<b>200</b>	<b>205</b>	<b>IP monitoring solutions</b>	<b>205</b>

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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.

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 special care, to meet demands of industrial user. The company is active since 2003 and supplies its products to more than 40 countries worldwide.

<b>Ares 100</b>	<b>Ares 105</b>	<b>Ares 110</b>	<b>Ares 105</b>
<b>Damocles 200</b>	<b>Damocles 205</b>	<b>Damocles 210</b>	<b>205</b>

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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.

<b>Poseidon 200</b>	<b>Poseidon 205</b>	<b>Poseidon 210</b>
<b>Ares</b>	<b>Damocles 200</b>	<b>205</b>

www.hw-group.com

## IoT platform

**HW group IoT platform**

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

**Sensors for IoT portal Sensodesk**

**Wireless public and private networks**

**Web User Interface**      **Cloud Solution**

**Standard & Secure IT protocols**

www.hw-group.com

**Thank you for  
your attention.**



HW group s.r.o.  
Formanská 296, Prague, 149 00  
Czech Republic

Phone: +420 222 511 918  
E-mail: [sales@hwg.cz](mailto:sales@hwg.cz)  
[www.hw-group.com](http://www.hw-group.com)