HW group

Poseidon2
3468

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

8 1-Wire UNI sensors — 1-Wire UNI sensors

4 DIGITAL input — Digital Input

4 RELAY output — Relay output

8 VIRTUAL output — Virtual output

5 SNMP trap — SNMP trap

5 E-mail alert — E-mail notification

MQTT protocol — MQTT protocol

-48V power — -48 V power

Poseidon2 3468 supports up to *8 sensors* connected over 1-Wire UNI / 1-Wire and up to *4 detectors* **connected to digital inputs**. Poseidon2 3468 can control *2 digital 230 V / 16 A relay outputs*, as well as up to *8 virtual digital outputs* (VDO) at remote Poseidon2 or Damocles2 units (M2M).

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

A built-in **web server** is used for configuring. The device can be **monitored remotely over the internet** using the free *SensDesk portal* in combination with the *SensDesk Mobile application* for iOS and Android. It works with *HWg-PDMS* and *HWg-Trigger*.

Poseidon2 devices are designed to monitor and control sensors and digital I/O over the network using **secure M2M 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.).

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

With the HWg-PDMS software, SO **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, Bluemix Internet of Things and other cloud services.
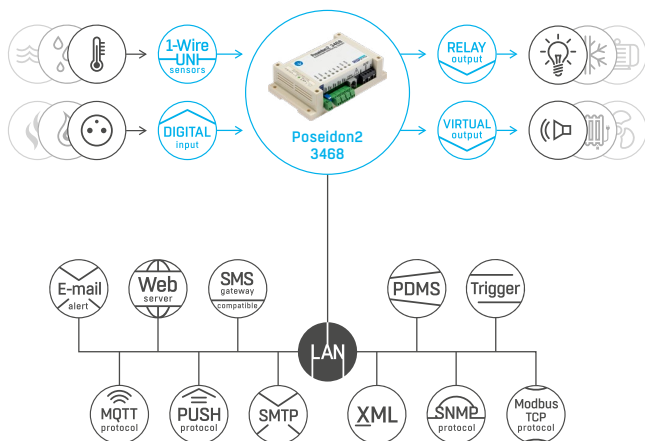
For **Ring or SMS alarm** use the HWg-Trigger software (external GSM modem required), or a HWg-SMS-GW3 gateway in the same LAN.

Examples for programmers on using the product are available in the HWg-SDK (Borland C++, MS Visual, VB, 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.

Typical application examples

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

Ethernet	
LAN	RJ45 (100BASE-Tx) – 10/100 Mbps
Supported protocols	MQTT (IoT), SNMPv1, SNMPv3, HWg-PUSH, Modbus/TCP, HTTPs, IPv6, XML, netGSM

Inputs	
Sensors	8× 1-Wire UNI / 1-Wire
Detectors	4× digital input with S0 pulse counters

Outputs	
Digital Outputs (DO)	2× Relay Output 230 V / 1 A
Virtual Digital Outputs (VDO)	8× (can be mapped to another Poseidon2 or Damocles2)

Dimensions / mass	
Dimensions	145×40×90 mm
Mass	225 g
Housing	Plastic

Logger	
Internal memory	250,000 records
Recorded values	DI, DO
Power	9–30 V DC; -48 V; PoE

User Interface	
Built-in Web server	Device configuration and data readings
SensDesk Portal / SensDesk Mobile application	Cloud portal for data readings and alerting
HWg-Trigger	Alert redirection to SMS, pop-up messages, PC shutdown
HWg-PDMS	Logging of values, graphs, export to MS Excel
More software	Third-party software, HWg-SDK

Poseidon2 model comparison

Selected features		4002	3468	3268	3266
Inputs	1-Wire UNI	16	8	8	8
	DI	12	4	4	4
	RS-485	26	-	-	-
Outputs	Relay 250 V / 10 A	-	2	-	-
	Relay 50 V / 1 A	4	-	2	-
	VDO	8	8	8	-
Power	9-30 V	✓	✓	✓	✓
	-48 V	-	✓	-	-
	PoE	opt.	✓	opt.	opt.
Connected	LAN	✓	✓	✓	✓
	RS-232	✓	-	-	-

Configuration interface

Versions and related products

Poseidon2 3468
stand-alone device.

Poseidon2 3468 TSet
includes a temperature sensor and a power adaptor.

Poseidon2 4002 TSet
includes two temperature sensors, door contact and a power adaptor.

Poseidon2 3268 TSet
includes a temperature sensor, door contact and a power adaptor.

Poseidon2 3266 THSet
includes a temperature and humidity sensor, door contact and a power adaptor.

HWg-SMS-GW3 Set
SMS gateway for ring and SMS alerting for LAN. Includes antenna and a power adaptor.