



Poseidon2 3468

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



8 1-Wire UNI sensors

4 Digital Input

4 Relay output

8 Virtual output

5 SNMP trap

5 E-mail notification

MQTT protocol

-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 or 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.

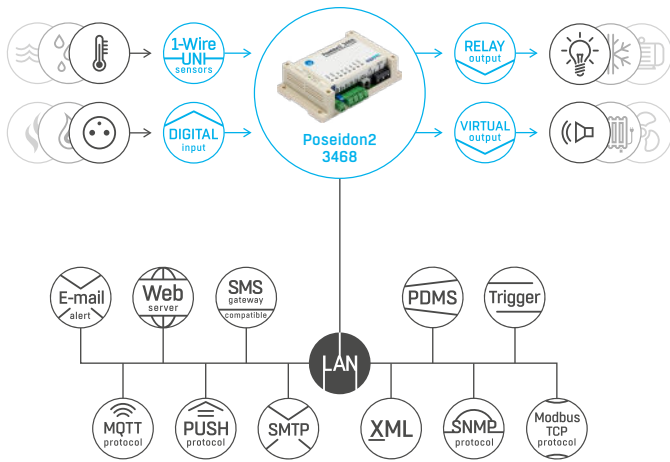
For Ring or SMS alarm use the [HWg-Trigger software](#) (external GSM modem required), or a [HWg-SMS-GW3 gateway](#) in the same LAN.

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	8x 1-Wire UNI / 1-Wire
Detectors	4x digital input with SO pulse counters

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

Dimensions / mass	
Dimensions	145x40x90 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 / 1A	4	-	2	-
	VDO	8	8	8	-
	Power	9-30 V	✓	✓	✓
Power	-48 V	-	✓	-	-
	PoE	opt.	✓	opt.	opt.
	Connected	LAN	✓	✓	✓
	RS-232	✓	-	-	-

Configuration interface

The screenshot shows the 'Poseidon2 3468' configuration interface. The left sidebar contains a navigation menu with options: General, Security, SNMP, Email, GSM, Log & Time, Portal, MQTT, Sensors, Inputs, Outputs, Virtual Outputs, and System. The main content area is titled 'GENERAL' and includes sections for 'Sensors', 'Digital Inputs (DI)', 'Digital Outputs (DO)', and 'Download'. The 'Sensors' table shows two sensors: Sensor 240 (ID: 2471, Value: 20.3 °C) and Sensor 241 (ID: 56982, Value: 18.1 °C). The 'Digital Inputs (DI)' table shows four binary inputs (Binary 1-4) and one Comm Monitor 1. The 'Digital Outputs (DO)' table shows two outputs: BinOut 1 (ID: 151, Mode: Manual) and BinOut 2 (ID: 152, Mode: Manual). The 'Download' section includes a 'Terminal Config (TCP Setup)' button. The version is noted as 3.1.74.

Versions and related products

Below are images of the following 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.