



Poseidon2 3268

Remote monitoring of sensors and detectors and control of relay outputs



1-Wire UNI sensors

Poseidon2 3268 supports up to 8 sensors connected over 1-Wire UNI / 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 (M2M).



Digital Input

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.



Relay output

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.



Virtual output

Connected via LAN. Configuration via **built-in webserver**.

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.).



SNMP trap

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, **50 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.



E-mail notification

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).

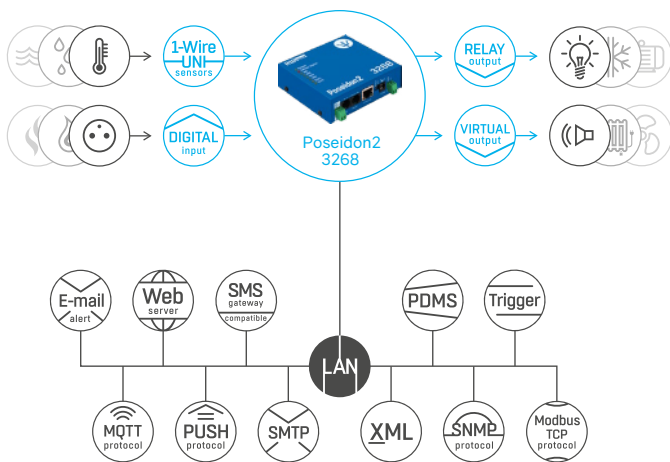
Virtual Digital Outputs (VDO) can be mapped to physical digital outputs (relays) of other Poseidon2 or Damocles2 units on the same LAN.



MQTT protocol

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



| 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 S0 pulse counters |

| Outputs | |
|-------------------------------|--|
| Digital Outputs (DO) | 2x Relay Output 50V / 1A |
| Virtual Digital Outputs (VDO) | 8x (can be mapped to another Poseidon2 or Damocles2) |

| Dimensions / mass | |
|-------------------|-------------|
| Dimensions | 100x25x90mm |
| Mass | 300g |
| Housing | Metal |

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

| 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 / 10A | - | 2 | - | - |
| | Relay 50 V / 1A | 4 | - | 2 | - |
| | VDO | 8 | 8 | 8 | - |
| Power | 9–30 V | ✓ | ✓ | ✓ | ✓ |
| | -48V | - | ✓ | - | - |
| | PoE | opt. | ✓ | opt. | opt. |
| Connected | LAN | ✓ | ✓ | ✓ | ✓ |
| | RS-232 | ✓ | - | - | - |

Configuration interface

Versions and related products

Poseidon2 3268
stand-alone device.

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

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

Poseidon2 3468 TSet
includes a temperature sensor 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.