# H J group



Remote monitoring of sensors and detectors and control of relay outputs



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).

Poseidon2

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.

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.

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

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

With the HWg-PDMS software, SO pulses can be converted to cost per time period and exported to MS Excel.

Examples for programmers on using the product are available in the HWg-SDK (Borland C++, MS Visual, VB, C#, PHP, JAVA and more).

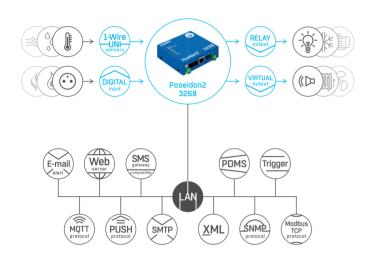
Compatible with a wide range of third party SW (SCADA etc.).

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

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



#### Poseidon2 model comparison

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

#### 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.



www.HW-group.com

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 SO pulse counters

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

Dimensions / mass	
Dimensions	100×25×90mm
Mass	300 g
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

## **Configuration interface**

					Poseidon2 3268				
Sensors									
Name	ID	Current	Value	Safe Range	Hysteresis	Alarm Alert			
Sensor 240	26684	24.1	°C	10.0 60.0	0.0	Disabled			
Sensor 241	44985	1.3	°C	10.0 60.0	0.0	Disabled			
Digital Inputs	(DI)								
Name		ID C	Current Val	ue	Alarm Alert				
Binary 1			1	0(Off)		Disabled			
						Disabled			
						Disabled Disabled			
				0(Off)		Disabled			
Digital Output	ts (DO)								
Name		ID	Cu	rrent Value		Mode			
			Cu			Manual			
BinOut 2				0(Off)		Manual			
	Sensor 240 Sensor 241 Digital Inputs Nam Binary Binary Binary Comm Mo Digital Output Name Binout 1	Sensor 240 26684 Sensor 241 44985 Digital Inputs (D1) Nome Errary 2 Sinary 3 Binary 4 Comm Monitor 1 Digital Outputs (DO) Nome BinOut 1 BinOut 1	Sensor 240 26684 24.1 Sensor 241 44685 1.3 Digital Inputs (DI) Enary 1 Enary 2 Binary 3 Binary 4 Comm Moniter 1 Digital Outputs (DO) Name D Bindut 1 131 Bindut 1 131	Sensor 240 2684 24.1 *C   Sensor 241 44065 1.3 *C   Digital Inputs (D1) Image Image Image   Enary 1 1 Image Image Image   Binary 3 1 Image Image Image   Digital Outputs (D0) Image Image Image Image   Digital Outputs (D0) Image Image Image Image   Bindow 1 121 Image Image Image Image	Sensor 240 26684 24.1 *C 10.065.0   Bensor 241 44985 3.3 *C 10.065.0   Digital Inputs (D1) Name ID Current Val   Brayr 1 1 0.0ft)   Brayr 3 2 0(0ft)   Brayr 4 4 0(0ft)   Brayr 4 4 0(0ft)   Digital Outputs (D0) 123 0(0ft)   Binduit 1 151 0(Cft)   Binduit 1 151 0(Cft)   Binduit 1 152 0(Cft)	Sensor 240 26684 24.1 *C 10.0 60.0 0.0   Sensor 241 44685 1.3 *C 10.0 60.0 0.0   Digital Inputs (D1) Name ID Current Value 0.0   Enary 1 1 0.0(ff) 0.0 0.0   Binary 3 2 0.0(ff) 0.0   Binary 4 4 0.0(ff) 0.0(ff)   Comm Monitor 1 1.23 0.0(ff)   Digital Outputs (D0) Enary 1 1.23 0.0(ff)   Bindux 1 1.31 0.0(ff) 0.0(ff)			