

## Poseidon 4002: Rack mount environment monitoring

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**Cabinet monitoring (power supply, temperature, doors, smoke). Fits into a 19" cabinet, supports Web, E-mail, SNMP & SMS through a GSM modem.**

The Poseidon 4002 is a complete solution for rack mount environment monitoring in data centers (fits into 19" or 10" cabinets).

Supports up to 18 probes .  
temperature and humidity, AC current, smoke, water leak, water flood, air flow, vibrations detector, and more.



A GSM modem can be connected to send SMS alerts. The Poseidon 4002 is SNMP based environmental monitor. Alerts can be sent to an IP Video system.

A typical application is starting/stopping the recording and controlling the pan/tilt & zoom of an IP camera with a door contact. When you open a cabinet door, an IP camera focuses to it and keeps recording for as long as the door is open.

- **Ethernet:** RJ45 (10BASE-T)
- **Web:** Built-in web server
- **Sensors:** 4xRJ11 1-Wire UNI (max 12 probes)  
(temperature, humidity, voltage, DC current, AC current, air flow, water flood)
- **Digital Inputs:** 6 digital inputs (dry contacts)  
(smoke, power detector, water leak detector, door contact, air flow detector, motion detector)
- **Digital Outputs:** 2 relay outputs (max 24VDC)  
(air conditioning, server power, horn/light tower)
- **GSM modem:** A GSM modem for sending text messages (SMS) can be connected to RS-232
- **SMS Gateway:** Device can send SMS by external "SMS GW" or be "SMS GW" for other devices.
- **SMS + Ring when alarm:** Supported
- **Mechanical:** Fits into a 10" or 19" cabinet, dimensions: 184 x 44 x 125 [mm] (1U)
- **Alerts (value out of defined safe range):** SNMP trap, E-mail, SMS
- **Local built-in functions:** Output controlled using an input or using a sensor value ("Thermostat" mode).
- **M2M communication protocols:** SNMP, XML, Modbus/TCP
- **Support for programmers:** HWg SDK
- **Supported software**

- **HWg-PD Trigger:** Alert redirection to SMS, pop-up messages, PC shutdown...
- **HWg-PDMS:** Logging of values, graphs, export to MS Excel
- **CapTemp:** Visualization on a map, control of outputs, alarm redirection to SMS
- **Third-party SNMP software**  
(HP OpenView, Nagios, Zabbix, IBM Tivoli, Monitor one, The Dude, Paessler IPCheck, Ipswitch WhatsUp, Axence nVision, LorientPro, GFi NSM, SNMPc 7, CA NSM, ActiveXperts NM, Intellipool NM, MSC Operations Manager 2007)

**Keywords:**

rack mount environment monitoring, rack temperature monitoring system, snmp environment monitoring

Cabinet environmental monitoring, computer room temperature, snmp environment monitoring system, email alert, sms alerting, nagios, sms gw, rack19