Damocles 1208

Digital inputs (12) and outputs (8) on a network. Box-to-Box mode to connect inputs with outputs over a network. E-mail alert when an input is closed, DI pulse counters.

Damocles features a Web interface, 12 digital inputs (dry contacts) and 8 outputs (open collector). Industrial model, fits on a DIN rail.

When an input contact is closed / opened / changed, Damocles sends an email with customizable text and/or a SNMP Trap.
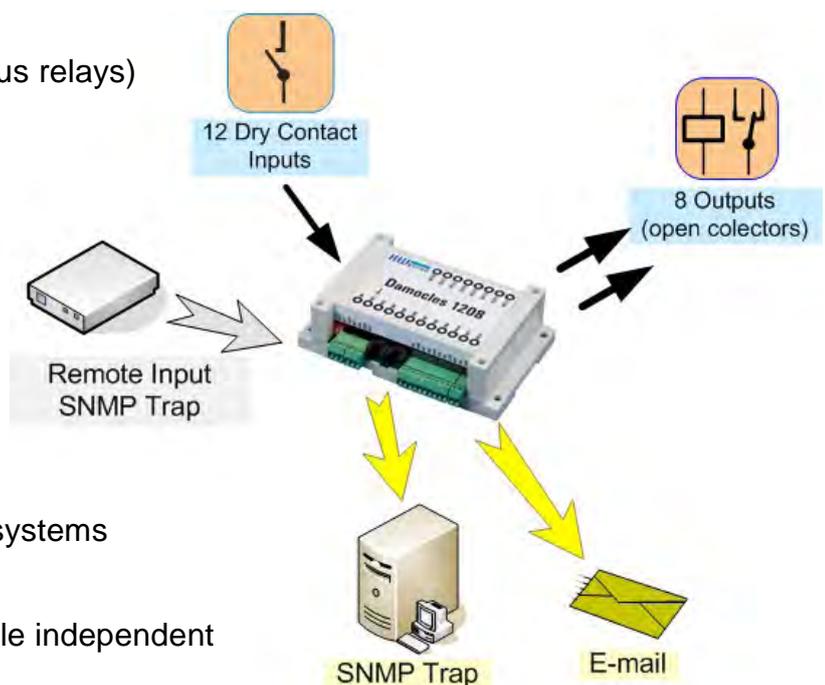
- Pulse counter 32-bits on every input

- **Box-2-Box mode**: Outputs can be controlled over an IP network using sensors of another device

- **M2M protocols:** SNMP, Modbus/TCP, XML (over HTTP)

Box-2-Box mode
The outputs of a Damocles unit can be controlled by another Damocles or Poseidon unit.
States of Poseidon/Damocles inputs (closed contacts) can be reflected on Damocles outputs. In this mode, no PC or software is necessary. The units can be located in different buildings. Communication takes place using SNMP Traps.

Application examples

- **Remote equipment monitoring**
  A/C, UPS, security system status (status relays)

- **Alerting**
  Displaying alerts from other units

- **UPS / back-up generator monitoring**
  Fuel level, diesel generator status, remote start over IP.

- **IP-based security systems**
  - Surveillance systems (external sensors)
  - Equipment status, access control systems

- **SCADA systems**
  Connection of external inputs to multiple independent applications

- **Monitoring system:** Information booths, ATMs, terminals

Basic features

- Embedded WEB server / graphical UI
- 4 destinations for receiving SNMP Traps
- 32-bit pulse counter for each input
- Inputs and their states can be named
  (e.g. I4 "Tank 7" 1 = "full", 0 = "empty")
- Group alarms
- **Control of outputs**
  - WEB interface
  - Remote networked output (Box-2-Box mode)

- **Alarm alerts**
  - Email
  - SNMP Trap / Closing a remote output (Box-2-Box)

- **HWg SDK** (Software Development Kit):
  Libraries and examples for programmers (VB, C#, .NET, Borland / Microsoft C++, Borland Delphi, JAVA, PHP)

Damocles 1208	
• **Inputs** (contacts):	**12**
▪ Pulse counter:	Yes
• **Outputs** (open collector):	**8**
▪ Box-2-Box mode:	Yes
• **SNMP**:	**Yes**
• **Modbus/TCP**:	**Yes**
• **E-mail** alerts:	**Yes**

M2M Protocols

- **SNMP**
- **Modbus/TCP**
- **XML** (over HTTP)

- **Email**
- **SNMP trap**

Compatible software:

- **HWg-PDMS:**
  Logging of states and counters in time, export to MS Excel
- **HWg-PD Trigger – SW reaction to Alarm status:**
  SMS / pop-up window / shutdown Windows / start an application / switch a remote relay

Applications in IT:

- Damocles works with any SNMP-based NMS system
  (Nagios, HP OpenView, IBM Tivoli, MRTG, SNMPc, Cacti, Intellipool, LoriotPro, and more)
- Energy consumption monitoring by counting pulses from the meters

Industrial applications:

- Works with most SCADA systems (OPC server and I/O server over Modbus/TCP)
- "Soft-PLC" Windows application for remote access to the units, measuring and control

Accessories

PowerEgg 600 237	**Door Contact** 600 119	**Damocles 2404i** 600 374	**Damocles MINI** 600 250

600 446	**Damocles 1208 SET**	Damocles 1208 start set (package with AC power adapter, CD, manual, ...)
600 411	**Damocles 1208**	Damocles 1208 unit only, no accessories
600 237	**PowerEgg**	110/230V voltage sensing and control