

# Perseus Energy 242

LAN solution in metal case for remote energy monitoring and control applications with M-Bus Master. Connect physical sensors, detectors or WLD sensing cable. 3<sup>rd</sup> party meters can be connected via LAN or Modbus/RTU.



Meters API – ability to work with other HWg devices



Support for 3<sup>rd</sup> party sensors



Local calendar based scheduler



Variables can have multiple conditions and actions



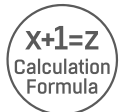
802.1X central security management



Local custom scripts in Lua



Templates repository for 3<sup>rd</sup> party sensors



Converts variable from one unit into another



Support for 3<sup>rd</sup> party meters

Perseus Energy 242 combines data from external physical sensors/detectors/meters with data from other HWg devices connected via LAN. Local conditions, Lua scripting, calendar or periodic scheduler help to analyze the measured data.

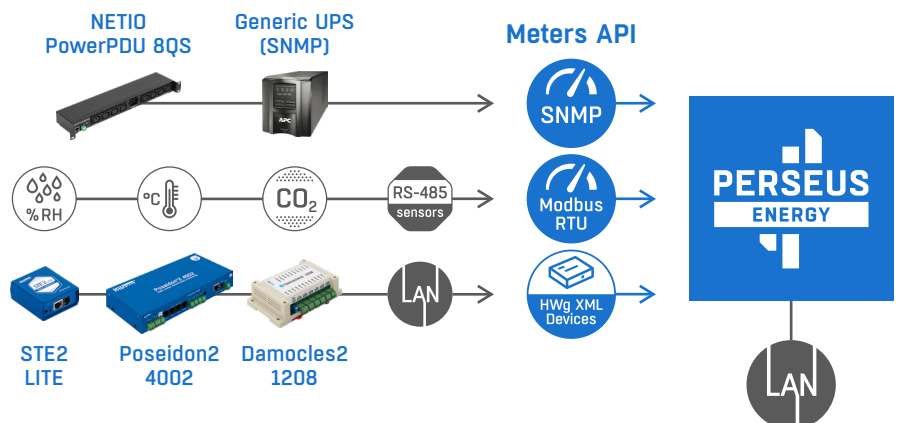
Within one metal unit there are 4 1W-UNI (RJ11) ports, 2 DI (Digital Inputs) with S0 pulse counters, RS-485 (Modbus/RTU), one WLD (Water Leak Detection) zone input, an M-Bus Master input, and 1 DO (Relay Outputs).

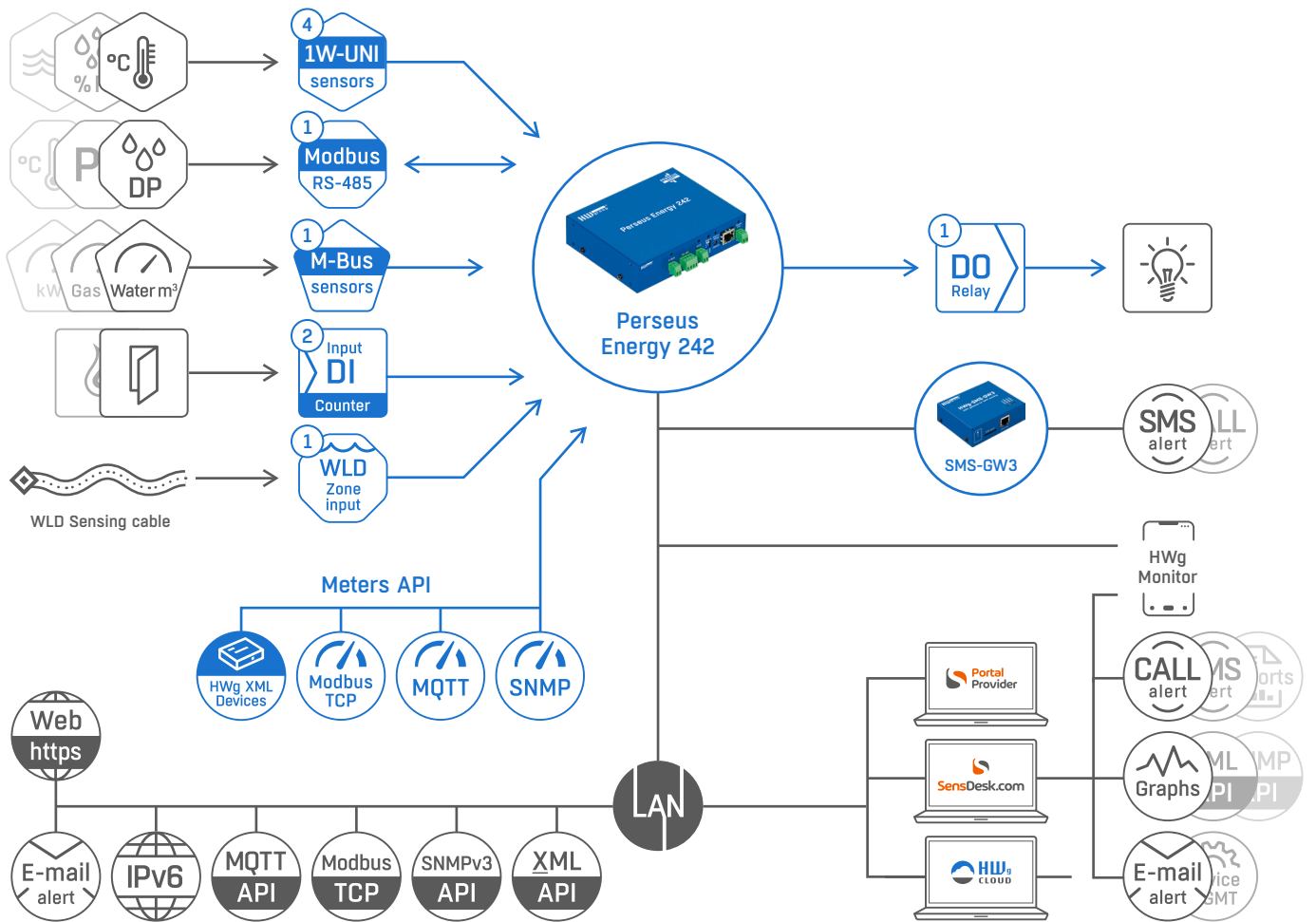
Up to 100 external meters (and sensors) with 1000 values (variables) can be connected. Email or SNMP Trap alert can be sent from the Perseus device. Measured values are available via Open API (XML, Modbus/TCP, MQTT).

A unique feature of all Perseus products is the Meters Open API. That means that Perseus can read over LAN sensor values from other devices (e.g. STE2 R2) and use this data for analysis or alerting.

The combination of the RS-485 physical interface on the Perseus Energy 242, M-Bus Master and Modbus-RTU Meters Open API allows data to be read from 3<sup>rd</sup> party electricity/gas/water meters, UPS or air conditioning products.

Perseus Energy 242 can be connected to the Portal (SensDesk Technology). Together with the Portal it's a powerful solution for professional applications.





## Typical applications

- Remote site data concentrator of all local sensors / meters
- Remote technical room monitoring
- Boiler room equipment monitoring
- Industrial machinery monitoring
- Greenhouse / food storage / pharmaceutical warehouse monitoring
- Remote infrastructure monitoring

Interfaces	
Sensors	4x RJ11 port – 1-Wire / 1-Wire UNI
Meters API	HWg XML, Modbus/TCP, MQTT, SNMP
M-Bus (Master)	1x terminal block
RS-485 (Modbus/RTU)	1x terminal block (with 12V)
WLD	1 zone for external Water Leak Detection sensing cable
DO (Digital Outputs)	1x DO (relays)
DI (Digital Inputs)	2x DI (dry contact)

Features	
Alerts	SNMP trap, email
Open API	SNMP, XML, Modbus/TCP, MQTT
Professional product	IPv6, SNMP traps, SNMPv3
Security	Radius - IEEE 802.1X, Admin and user accounts, HTTPS (customer certificate)

Software / Services	
SensDesk.com	Online remote monitoring service. Graphs, alerts, device management.
Portal on premise	Standalone individual SensDesk installation
Portal Providers	Several SensDesk Technology portals
HWg-cloud.com	Free of charge portal service
HWg Monitor	Smart phone application (iOS, Android)
Other software	3 <sup>rd</sup> party software, HWg-SDK

Technical specifications	
Ethernet	RJ45 (100BASE-T)
Power	24 V
Operating temperature	-30 °C to 85 °C (-22 °F to 185 °F)
Mechanical	Metal case, DIN rail, 35×111×140 mm
Warranty	24 months