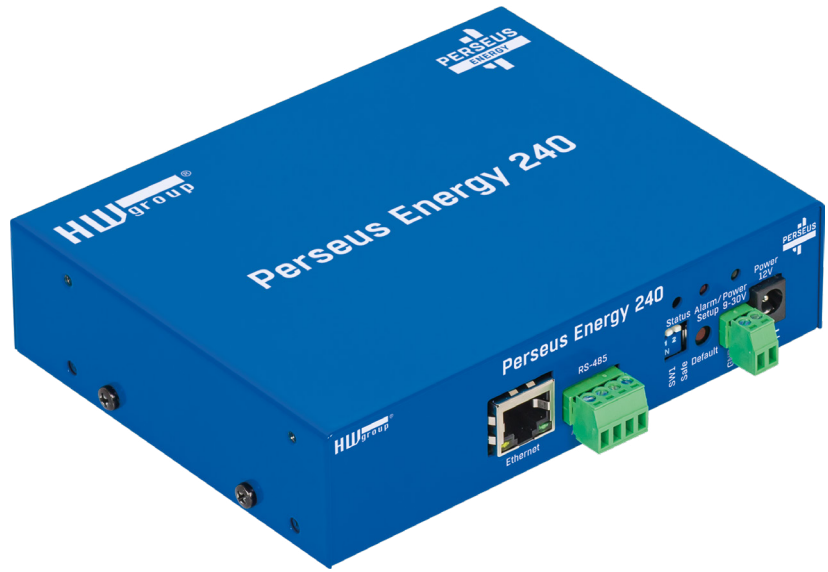


# Perseus Energy 240

The simplest and most affordable Perseus LAN monitoring device, designed to connect HW group's and third party RS-485 Modbus/RTU sensors to the SensDesk Technology-based Portal.



Meters API – ability to work with other HWg devices



Support for third party sensors



Local calendar based scheduler



Variables can have multiple conditions and actions



WLD zone input for the sensing cable



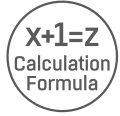
802.1X central security management



Local custom scripts in Lua



Templates repository for third party sensors



Converts variable from one unit into another

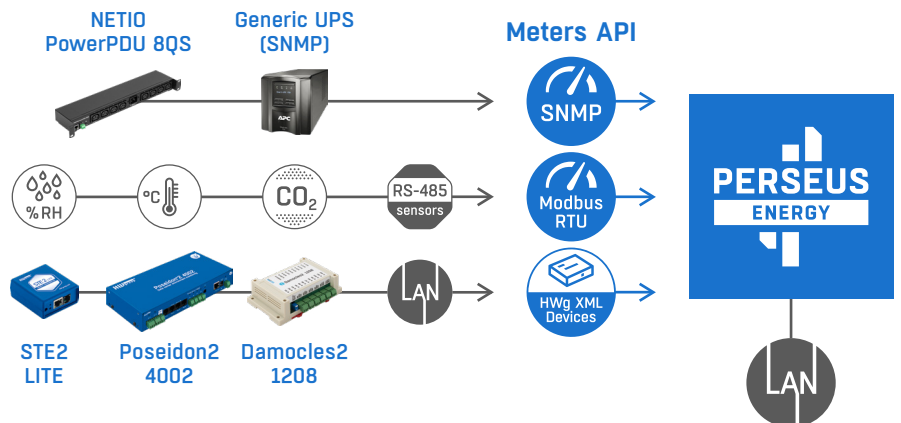
Perseus Energy 240 supports up to 100 meters with 1000 variables, connected via RS-485 (Modbus/RTU). It can read values from other network devices via generic SNMP, Modbus/TCP, MQTT and XML (for HWg devices). It can analyze metered data from RTU/LAN devices with using local alarms, conditions and actions, and LUA scripts executed in the Perseus device.

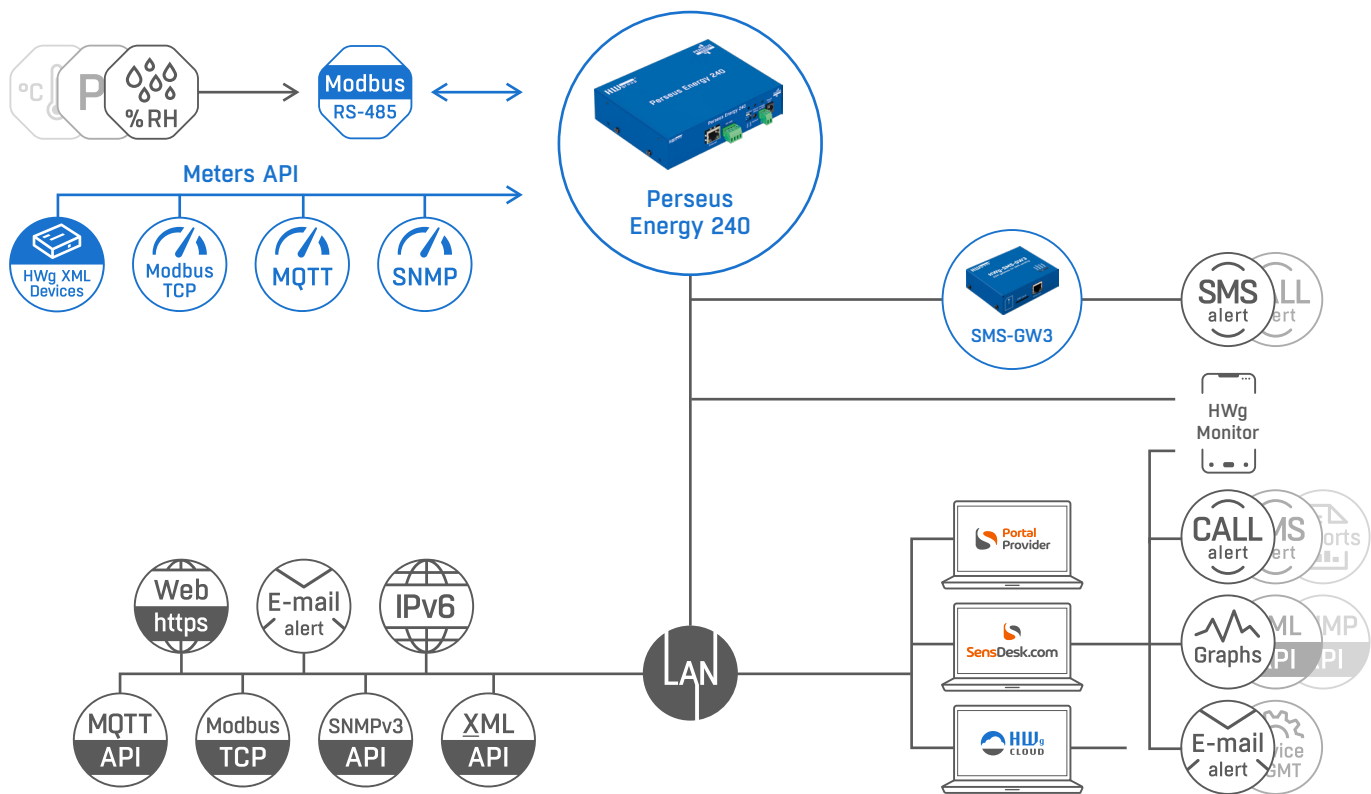
Perseus Energy 240 is a gateway, it has only RS-485 interface, no RJ11 ports and no DI (Digital Inputs).

The Perseus Energy 240 is ideal device for connecting third party RS-485 (Modbus/RTU) sensors to an existing remote monitoring site. Perseus 240 can analyze and send the data to any of the SensDesk Technology-based Portals. Third party sensors can be connected via RS-485 (Modbus/RTU) or as LAN devices via the Meters API (SNMP, Modbus/TCP, MQTT).

Using the RS-485 Modbus/RTU as data input (Meters API) and Modbus/TCP as output (Open API), the Perseus Energy 240 can be used as a gateway from physical Modbus/RTU (RS485) to Modbus/TCP (LAN). Measured data can be analyzed, connected to the Portal and used in any third party SCADA or SNMP based NMS system.

Perseus Energy 240 can be used as a Modbus RTU to TCP gateway or a Modbus/RTU to MQTT or SNMP converter.





## Typical applications

- Modbus gateway (Modbus RTU to TCP)
- Remote machine monitoring
- Remote environmental monitoring of warehouse / storage spaces
- Remote monitoring of technical room (sites)
- Remote site data concentrator of all local sensors/meters
- Remote environmental monitoring within the cabinet or telco site
- Pharmaceutical/warehouse environment monitoring
- Remote base transceiver station monitoring
- Greenhouse monitoring

## Alerting options

The alert situation can be sent from the device as stand-alone alerts (SMS, Call, Email) or analyzed & alerted from the Portal (SensDesk Technology) with Graphs, Virtual sensors, Device Invalid alerts, PDF reports or Portal account Open API (SNMP/XML).

Perseus device can also individually share all measured values via the Open API (SNMP, MQTT, Modbus/TCP, XML, ...)

### Features

Alerts	SNMP trap, email, (SMS / Calls with external SMS GW)
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)

### Interfaces

Meters API	HWg XML, Modbus/TCP, MQTT, SNMP
RS-485 (Modbus/RTU)	1x 4-pin terminal block (with 12V)

### Technical specifications

Ethernet	RJ45 (100BASE-T)
Power	9-30V (12V, 1.5A)
Operating temperature	-30 °C to 85 °C (-22 °F to 185 °F)
Mechanical	Metal case, 38×121×145 mm
Warranty	24 months

### 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	Third party software, HWg-SDK