Perseus Monitoring 150

Perseus Monitoring 150 is a complex 1U solution for a 19" rack monitoring system in data centers, AV installations, telecommunications, etc.



- Meters API – ability to work with other HWg devices
- Support for 3rd party sensors
- Remote configuration with SensDesk Technology
- 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 3rd party sensors
- BACnet protocol integration

Perseus Monitoring 150 connects external physical sensors (°C, %RH, A, V, ...), DI (Digital Inputs), WLD (Water Leak Detection) zone, DO (Digital Outputs) and 3rd party meters via LAN or RS-485 (Modbus/RTU).

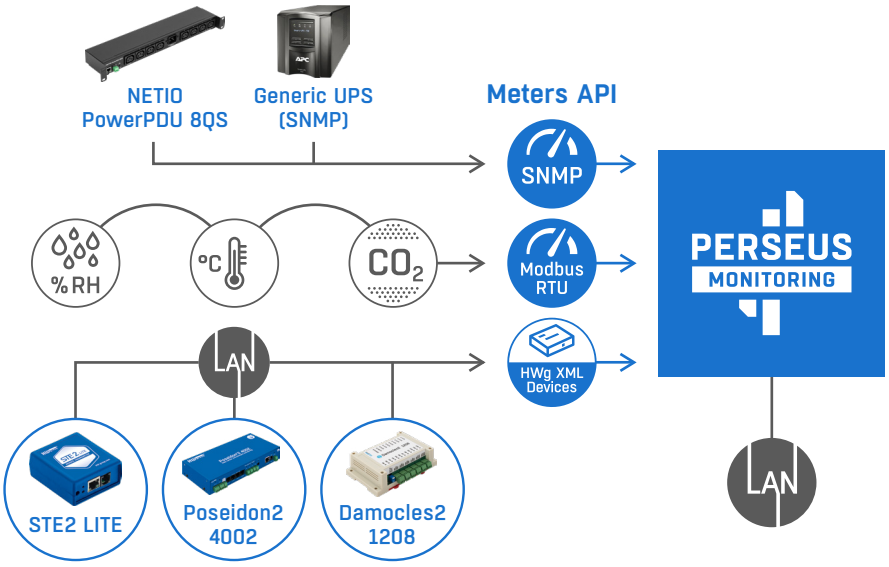
All sensor data from these sources is analyzed and processed by the Perseus device. There is a limit of 100 meters / 1000 values (variables).

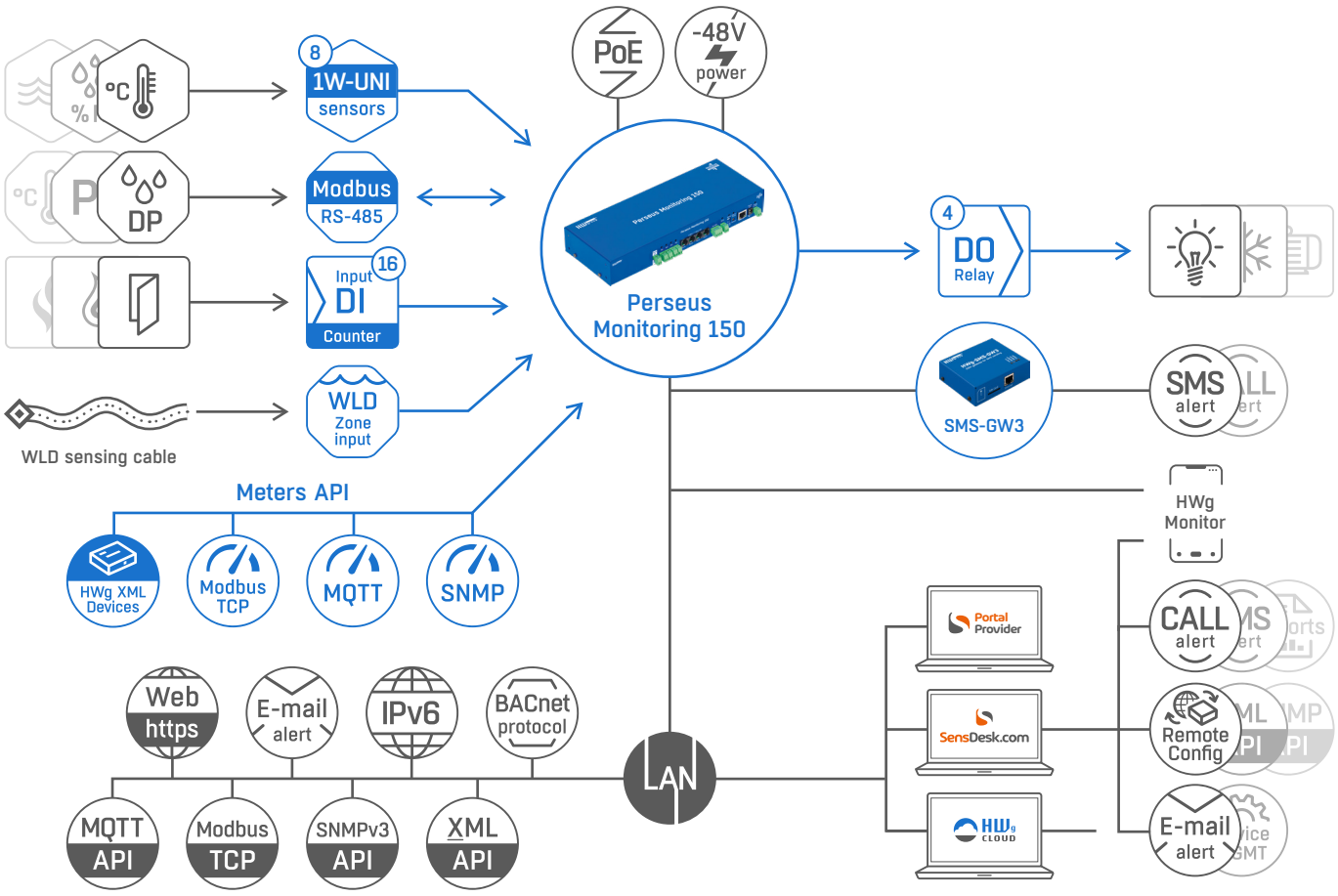
A unique feature of the Perseus family is the ability to connect other HWg devices connected via LAN as external meters. Local conditions, Lua scripting, and calendar help with measured data processing.

Physical RS-485 on Perseus Monitoring 150 supports Modbus/RTU meters (R/W), it allows to connect 3rd party devices. Many devices from other vendors such as electricity meters, UPS or GenSet can be connected to Perseus and the SensDesk Technology-based Portal this way.

Perseus Monitoring 150 has one physical port (1 zone) for connection of WLD sensing cable. 4 DO (Relay Outputs) can be controlled by Perseus local alarms, conditions and Lua scripting.

External SMS-GW device can be used for SMS / Call alerting.





Typical applications

- Data Center / Single rack monitoring
- Remote technical room monitoring
- Telecommunication installations
- Remote infrastructure monitoring
- Industrial Automation

Alerting

Typical applications include remote rack/server room monitoring and alerting. Several alerting options are supported by Perseus (SNMP trap, Output switching, Email, etc.), allowing flexible alert setup.

External SMS gateway device (or SensDesk.com Portal) can be used to send SMS or call alerts. Mobile App can be used to display the status of all connected meters via LAN directly or via SensDesk.com Portal.

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	
Sensors	8× RJ11 port – 1-Wire / 1-Wire UNI
Meters API	HWg XML, Modbus/TCP, MQTT, SNMP
RS-485 (Modbus/RTU)	1× 4-pin terminal block (with 12V)
WLD	1 zone for external Water Leak Detection sensing cable A/B
DO (Digital Outputs)	4× DO (relays)
DI (Digital Inputs)	16× DI (dry contact)

Technical specifications	
Ethernet	RJ45 (100BASE-T)
Power	9-30V (12V, 1.5A) PoE (Power Over Ethernet) supported Telco standard -48V DC
Operating temperature	-30 °C to 85 °C (-22 °F to 185 °F)
Mechanical	Metal case, 1U / 19" rack, 44×111×290 mm
Warranty	24 months

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