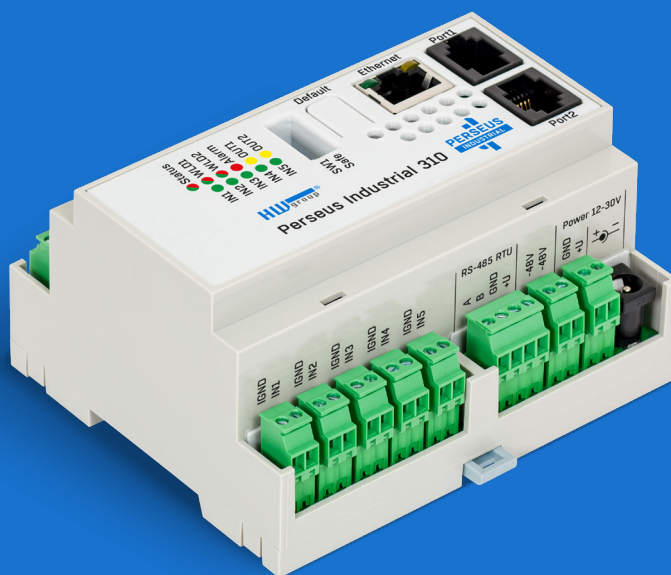


Perseus Industrial 310

A scalable DIN rail LAN monitoring and control unit for industrial, infrastructure and environmental applications.



Water Leak Detection at Location



Support for 3rd party sensors



Remote configuration with SensDesk Technology



Meters API – ability to work with other HWg devices



Variables can have multiple conditions and actions



802.1X central security management



Templates repository for 3rd party sensors



BACnet protocol integration

It connects physical sensors, digital Inputs/Outputs, WLD (water leak detection) cables and 3rd party meters via LAN or Modbus/RTU. With wide alerting options, open APIs and Portal support, it is ideal for professional remote monitoring and site automation.

Expandable architecture of Perseus 310 based on RTU and DIN rail expanders allows connection of multiple Inputs/Outputs in various combinations. Perseus Industrial 310 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.

The Perseus platform supports wide alerting options (SMS, Call, Email, SNMP Trap), Open API (BACnet, Modbus/TCP, MQTT, SNMP, XML).

Perseus Industrial 310 can be connected to the Portal (SensDesk Technology). Together it is a powerful solution for professional applications.

Meters API allows Perseus Industrial 310 to collect values from other HWg devices (e.g. STE2 R2) over LAN and use them for local conditions, alerts, scripts or Portal visualization. This makes Perseus not only a sensor device, but also a local data concentrator for distributed monitoring systems.

External sensors can be connected to two RJ11 ports (1WU) or to RTU (RS-485) terminal block.

RTU-Expanders



RTU-Expander 1004
+10× DI
+4× DO



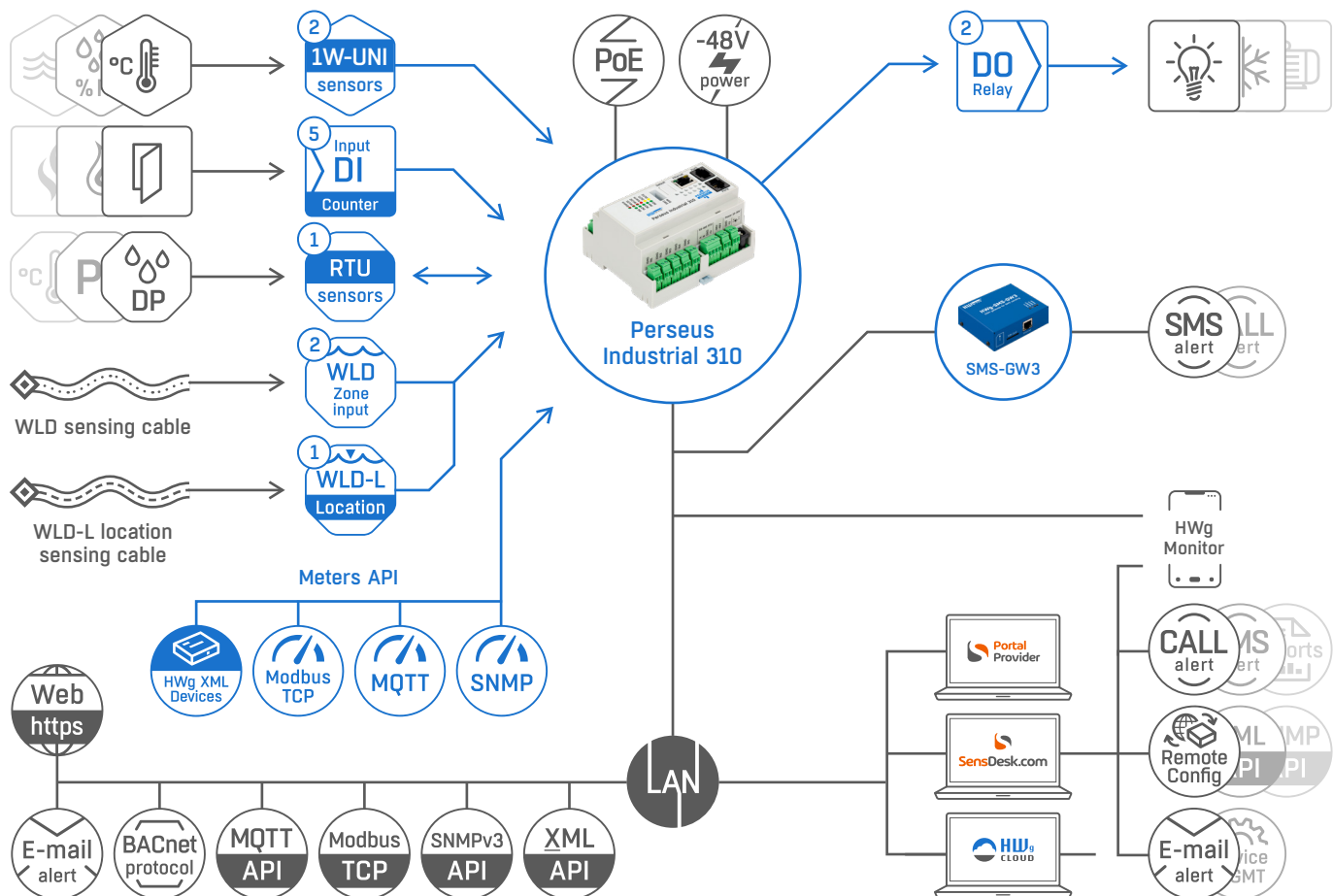
RTU-Expander 2004
+20× DI
+4× DO



RTU-Expander 3004
+30× DI
+4× DO



RTU-Expander 0002 230V
+2× DO (230 V)



Typical applications

- Technical room and infrastructure monitoring
- Warehouse, pharmaceutical and storage environment monitoring
- Remote machine and site monitoring
- Telco cabinet / BTS monitoring
- Greenhouse and agricultural monitoring
- Water leak detection and alarm systems
- Boiler room equipment monitoring

Interfaces	
Sensors	2× RJ11 port – 1WU/1WR
Meters API	HWg XML, Modbus/TCP, MQTT, SNMP
RS-485 (Modbus/RTU)	1× terminal block (with 12V)
WLD-L / WLD	1 zone for external Water Leak Detection at Location (WLD-L) sensing cable or 2 zones for external Water Leak Detection (WLD) sensing cable A/B
DO (Digital Outputs)	2× DO (relays)
DI (Digital Inputs)	5× S0 pulse DI (Digital Input) compliant with EN 62053-31, Class B

Features

Alerts	SNMP trap, email, SMS/calls
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 rd party software, HWg-SDK

Technical specifications

Ethernet	RJ45 (100BASE-T)
Power	12-30 / 48 VDC or PoE
Operating temperature	-30 °C to 65 °C (-22 °F to 149 °F)
Mechanical	Plastic case, DIN rail, 105×90×57 mm
Warranty	24 months