NivuLink Compact
Gateway for measurement tasks

ELECTRONICS

ACOUSTIC

WEIGHT

OVERLOADING SAFETY SYSTEMS

VALVES

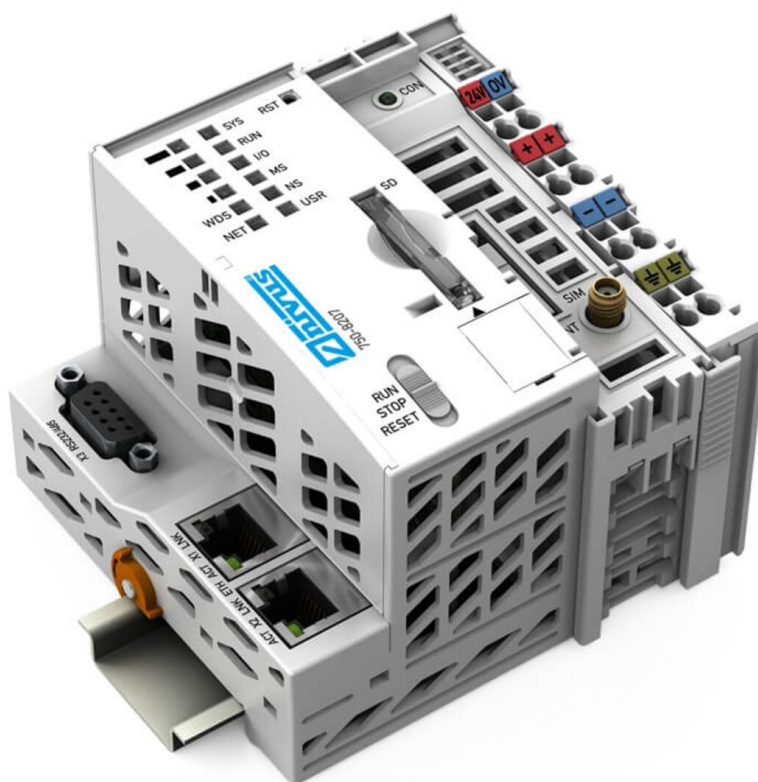TEMPERATURE

DETECT A FIRE®

FLOW

DENSITY

INTERFACE

PRESSURE

LEVEL

NivuLink Compact is an open and ready-to-operate solution for quick connection of measurement systems to the NIVUS Web Portal or other higher systems. Readings now can be saved centrally and represented in an easy-to-read manner. Commissioning and use are quick and easy since the gateway is completely pre-equipped. Users do not need programming skills but need to set parameters merely. Various interfaces allow for communication with neighbouring machines and devices. Data is transmitted via mobile communication or Ethernet interface. Two ETHERNET interfaces and the integrated switch allow wiring in line topology.

Data security meets current requirements and is guaranteed by using integrated security services such as OVPN / IPsec / TLS.

Typical applications

Typical applications besides process industry and building automation can be found in the water industry:
- Stormwater treatment plants
- Sewer systems
- Pump stations
- Groundwater measurement places
- Flood level
- Silo filling
- Weir measurements
- Asset management
- and many more

Benefits

- 4G/LTE, Ethernet
- Secure data transmission (TLS or VPN)
- Adjustable measurement and transmission cycles
- Alert and trigger functions via web portal
- Device with integrated memory for measurement values, expandable with SD card
- Continuous data availability
- Real time synchronised via server
- Minimum data transmission volume

TF
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Technical Specifications

Input and output process image for internal data bus / MODBUS	Differs depending on the version
Versions	NivuLink Compact Log: 8 AE, 16 DE of which 4 counters NivuLink Compact S7: 8 words in DB100 NivuLink Compact NF: Qhvtt in the NivuFlow transmitter
Potential separation	500 V system/supply
Input current	550 mA; max. (24 V)
Power supply	DC 24 V (-25 % ... +30 %)
Communication	4G/LTE 2x Ethernet
Diagnostic LEDs	Power supply; SYS; RUN; FELDBUS (MS, NS); OVPN status (U1); terminal bus; mobile network; field strength

Alerting
• SMS
• Email

ALERT

NIVUS WEB PORTAL

Security
• VPN
• Firewall
• IPsec

GPRS, UMTS, LAN, WAN

NivuLink Control / Compact

NivuFlow Transmitter

Sensors

SPS

Sensors

Pumps, drives, etc.