Data sheet

ToolBox 4.0

Key performance features 1

GNSS 2

Radio Protocols 2

Hardware 2

Interfaces Hardware 2

Physical properties 2

System requirements 3

Accessories 3

Key performance features

Measurement data storage from the usual 2-wire 4 – 20 mA Sensors
4 - 20 mA analog-Inputs selectable via Software between active and passive
Operating time detection via analog-Threshold value or digital input
rpm/ Frequency via digital input
Data Transfer via Ethernet, LTE, WLAN, Bluetooth, NFC
External Antenna for LTE, internal for Bluetooth, WLAN, GPS
The device is protected against polarity reversal and overvoltage
Dust and water protected chassis IP-68, for rough outdoor use
Easy installation and retrofitting

GNSS

GPS/GNSS

Radio Protocols

Bluetooth 4.2 Low Energy
WLAN 2,4/5GHz (802.11a/b/g/n/ac)
GSM/2G/2.5G/3G/4G (GSM/GPRS/EDGE/UMTS/HSPA+/LTE-FDD)

Hardware

ARM Cortex-M7 32-bit Processor

Interfaces Hardware

1 x Ethernet 10/100 MBit/s- M12-D, galvanically isolated
8 x Analog-In 4 - 20 mA- M12-A, galvanically isolated
2 x Digi-In max. 24V/ 1KHz- M12-A, galvanically isolated
1 x Digi-Out max. 24V/ 5A, M12-A, galvanically isolated
1 x USB2.0- M12-B
2 x SMA for external GSM-LTE antenna
Power supply: 24V- M12-A

Physical properties

Power supply: 24VDC +/- 10% max. 25W. Recommended 2,5A
IP-Protection class: IP68
Operating temperature: -30°C bis +60°C
Size: 199x86x60 mm

System requirements

Android 6-9.xx
Web Browser: Firefox, Safari, Chrome (IE11 not fully supported)
100 MB free Memory space for the App

Accessories

Multisensor (optionally)
Mounting material (optionally)
Power supply unit (optionally)