



AnyBridge Controller

Product features

Application functions

- Log memory
- Real-time clock

Communication functions

- RS-485 communication port
- 868 MHz ISM-band RF interface
- Quad-band GSM/GPRS modem
- 100BaseTx Ethernet interface
- Wireless LAN
- Bluetooth interface
- GPS/Glonass receiver
- CAN communication port
- USB 2.0 service interface

User interface functions

- Power-on LED
- RGB status LED

Intelligent remote measurement and control

The AnyBridge Controller is an intelligent measurement and control unit with an integrated GPRS communications interface that seamlessly integrates with the AnyBridge Platform. The measurement capabilities of the AnyBridge Controller can be extended with one or more AnyBridge Wireless Sensor Modules or peripherals connected to one of the communication ports.

Multi-application

The AnyBridge Controller supports a multitude of applications, from automatic meter reading to remote inventory management and machine monitoring. The flexibility of the AnyBridge Controller software makes it possible to connect a wide range of wired and wireless peripherals to its interfaces, such as sensors and utility meters.

Straightforward integration

By setting the appropriate application parameters, the functionality of the AnyBridge Controller is tailored to the requirements of the application. The AnyBridge Controller has been designed to integrate with the AnyBridge Platform, which allows it to fully benefit from the application services such as automatic data transfers, remote configuration and software updating.

Advanced measurement and control functions

The AnyBridge Controller's wireless sensor and control interface makes it suitable for any measurement and control application, by connecting appropriate wireless sensors.

Extensive communication functions

The AnyBridge Controller provides a comprehensive set of communications interfaces, including a quad-band GSM/GPRS interface for interaction with the AnyBridge Platform. Wired and wireless Ethernet are also available for network communications.

For the connection of AnyBridge Wireless Sensor Modules, the AnyBridge Controller has an integrated wireless communications interface that operates in the 868 MHz ISM band. Compatible equipment can be attached to the RS-485 or CAN communication ports, e.g. using industrial networking protocols.

A USB 2.0 service interface is provided for local configuration and software updating. For wireless interaction with mobile apps, the AnyBridge Controller offers a Bluetooth interface.

Easy installation and configuration

Installation of the AnyBridge Controller is a straightforward procedure that requires little more than mounting and connecting the peripheral equipment, after which the unit can be configured with the PC-based software.

Product specifications

Communication interface

- RS-485 (half-duplex) and CAN communication ports
- 868 MHz ISM-band wireless communication interface with SMA-antenna connector
- 100BaseTx Ethernet interface (RJ-45)
- Quad-band GSM/GPRS modem with SMA-antenna connector
- GPS/Glonass positioning receiver with SMA-antenna connector
- Wireless LAN
- Bluetooth wireless interface
- USB 2.0 service interface

Application functions

- Flash EPROM log memory: 4 MB
- Configuration parameter EEPROM: 8 kB
- Integrated real-time clock (accuracy: 100 ppm)
- Watchdog controller

User interface

- Power-on LED
- RGB status LED

General specifications

Power supply: 24VDC
Power consumption (max.): 20W
Mechanical dimensions: 160 x 120 x 40 mm
Optional DIN-rail mounting clip
Ingress protection level: IP-44
Regulatory compliance: EN 61000-1, EN 61000-3-2, EN 61000-2-2, EN 61000-6-3, IEC 60950
Operating temperature range: -20-60 °C

