AnyBridge

Product datasheet

AnyBridge Compact Controller Series

Product features

- Compact design
- Low power
- Suitable for various applications

Measurement functions

- 2 analog sensor interfaces
- Internal barometric pressure sensor
- Pt-100 temperature sensor interface
- GPS positioning

Communication functions

- RS-485 data port
- Dual-band GPRS modem
- USB 2.0 service interface

Intelligent remote measurement

The AnyBridge Compact Controllers are a series of low-power, cost-effective intelligent remote measurement and data logging devices with an integrated GPRS communications interface that seamlessly integrate with the AnyBridge M2M Platform for a wide variety of applications areas.

Multi-application

The AnyBridge Compact Controllers support a multitude of applications, from energy metering to remote inventory management and machine monitoring. The flexibility of the AnyBridge Compact Controller software makes it possible to connect a wide range of peripherals to its interfaces, such as sensors and utility meters.

Straightforward integration

By setting the appropriate application parameters, the functionality of the AnyBridge Compact Controller is tailored to the requirements of the application. The AnyBridge Compact Controller has been designed to integrate with the AnyBridge M2M Platform, which allows it to fully benefit from the application services such as automatic data transfers, remote configuration and software updating. The AnyBridge Compact Controller has a USB 2.0 service interface for local configuration and interaction.

Advanced measurement functions

The AnyBridge Compact Controller's sensor interfaces, including two generic analog sensor and Pt-100 temperature sensor interfaces, make it suitable for most basic measurement applications.

Specifically for situations in which liquid levels are measured with (low-cost) absolute pressure level transmitters, the AnyBridge Compact Controller can automatically compensate the ambient air pressure with its (optional) internal barometric pressure sensor.

Extensive communication functions

The AnyBridge Compact Controller provides a comprehensive set of communications interfaces, including a dual-band GPRS interface for interaction with the AnyBridge M2M Platform. For positioning, an internal GPS function is available.

Compatible equipment can be attached to the RS-485 communication interface, e.g. using the ModBus protocol. A USB 2.0 service interface is provided for local configuration and software updating.

Easy installation and configuration

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

Any application, anywhere

A wide range of applications can be served with AnyBridge Compact Controllers. Custom versions and branding upon request.

Compact Controller Series		Controller interfaces*					
Series	Product Code	4-20 mA sensors (2)	0-5 VDC sensors (2)	Barometer	Pt-100 sensor	RS-485 comm. port	GPS positioning
Compact Level Controllers	AB-CLC-01	x	-	o	x	-	o
	AB-CLC-02	-	x	o	x	-	o
Compact Energy Controllers	AB-CEC-01	-	-	-	-	x	-
	AB-CEC-02	-	-	-	-	x	x
Compact Machine Controller (ModBus)	AB-CMC-01	-	-	-	-	x	o
Generic Compact Controllers	AB-CGC-01	x	-	o	x	x	o
	AB-CGC-02	-	x	o	x	-	x

(*) x: standard interface, o: optional interface

Product specifications

Sensor interface

Analog sensor interfaces (2x 4-20 mA or 2x 0-5VDC ratiometric)
Internal barometric pressure sensor
Pt-100 temperature sensor interface (3-wire)

Communication interface

Dual-band GPRS modem
RS-485 communication interface
USB 2.0 service interface

Application functions

Log memory: 8 MB
Configuration memory: 8 kB
Integrated real-time clock (accuracy: 100 ppm)
Watchdog controller
GPS positioning (optional)

Enclosure

Mechanical dimensions: 120x80x55 mm
Ingress protection level: IP-65/IP-66
Ruggedized IP-66 version available upon request

General specifications

Power supply: 24VDC or 3.6VDC Lithium Battery
Power consumption (typical): 1.5 mW
Power consumption (max.): 2.5 W
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

AnyBridge M2M SOLUTIONS

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