



Gateway for EASYBus-Profibus

The GW 110PB is used in automation technology and connects the EASYBus data communication system with the PROFIBUS. Any SPS or PLC can communicate between the Profibus master and their remote I/O slaves. The EASYBus interface/converter is connected to the GW 110PB by a cable with a 9-pin male D-sub connector.

The number of EASYBus modules served is determined by the interface/converter. Following interface/converters are available:

Interface/converter	EBW 1	EBW 64	EBW 240
Number of modules	9	64	240
Length of bus cable	200 m	1000 m	1000 m
Power drain	5 W	15 W	30 W
Overload indication	no	yes	Yes

The EASYBus

The EASYBus is an efficient 2-wire bus communication system based on the M-Bus system. The EASYBus system features; loggers, programmable control loops, transducers, display modules and switching modules. The loggers have a battery life time of up to 6 years.

The devices are intended for fixed mounting, long-term recording or process and climate supervision. The EASYBus modules have a 2-wire connection, either in-line, bus, star, tree or mixed bus-topology with a maximum length of up to 1000 m. The main advantages are the polarity-free 2-wire connection and the supply of power to the modules over the bus-cable. The easy and comfortable configuration and initialization of the EASYBus-modules is done with the free software tool EASYBus-Configurator (download at www.greisinger.de).

Advantages

Low-cost

- ✓ installation with 2-wire cable, twisted-pair (mixable bus topology)
- ✓ omission of individual cabling for each transducer (4...20 mA of 0...10 V)
- ✓ no analog input modules required

Simple

- ✓ pole-free, 2-wire connection
- ✓ mixable bus topology
- ✓ power supply directly over bus-cable (for most modules)

Requirements

- ✓ serial EASYBus interface with converter (EBW 1, EBW 3, EBW 64, EBW 240)
- ✓ EASYBus data system
- ✓ Profibus master (SPS, PLC or similar)

