



PROFlusb

Universal PROFIBUS Interface with USB High-Speed Port



Application

PROFlusb is a powerful PROFIBUS PC interface. Intended particularly for mobile applications on notebooks, it of course also runs on classical desktop computers. PROFlusb gives you high-performance access to PROFIBUS, allowing you to perform such tasks as network configuration or device parameterization in PROFIBUS systems. You can also use PROFlusb for applications like data acquisition, mobile operator stations, plant maintenance and much more.

Fast and Versatile

Communication between PROFlusb and the PC uses the USB 2.0 high-speed standard with amazing 480 Mbit/s, but also works perfectly with USB 1.1 compatible interfaces. PROFlusb acts as a PROFIBUS master class 1 or class 2 at all data transfer rates up to 12 Mbits/s (including the 45.45 kbit/s transfer rate frequently needed for PA converters). The device thus supports the DP-V0 and DP-V1 specifications.

Easy, Convenient and Reliable

PROFlusb is very simple and easy to use. To install this convenient and robust device in the PC, all you do is plug it in. Resource conflicts – a problem you may run into with plug-in cards – are a thing of the past with USB technology. External power supply is not required. The device is powered directly via the USB port. Thanks to an active electronic coupler inside the bus cable, the bus line to which you connect PROFlusb will not be extended. You thereby avoid reflection-induced noise, particularly if you need to use the interface at frequently changing locations.

Matching Your Software

Due to its software compatibility with Softing's other PROFIBUS interfaces, the changeover to PROFlusb is completely unproblematic. Your customized application runs without any changes. This of course also applies to add-on products such as the PROFIBUS OPC Server and PROFIdtm.

Hardware

PB-USB

CPU	32-Bit RISC
RAM	2 MB SRAM
Flash	2 MB

PROFIBUS Interface

Protocols	PROFIBUS DP-V0, DP-V1, FDL, MPI
Connection	Active connecting line with 9-pin D-sub connector
Controller	ASPC2
Data transfer rates	9.6 - 12,000 kbits/s incl. 45.45 kbits/s
LED indicators	Power ON, token possession, data exchange
Functionality	PROFIBUS DP master class 1 and class 2

USB Interface

USB Standard	Version 2.0
Data transfer rates	High speed (480 Mbits/s), full speed (12 Mbits/s) with automatic recognition
Connection	USB type B and USB cable A-B
Functionality	USB device

Miscellaneous

Power supply	5V (from USB), alternatively: 24V external power supply, 2 W typ.
Ambient temperature	0°C ... +55°C
Storage temperature	-20°C ... +70°C
Housing	Aluminum
Dimensions (W x H x D)	55 x 25 x 100 mm (2.2" x 1.0" x 3.9")
Approvals	CE

Scope of Delivery

PROFlusb, USB cable, installation manual and CD with Windows drivers

System Requirements

PC with Windows 2000 or Windows XP

Add-On Products

OPC-PB	PROFIBUS DP-V0/DP-V1-OPC-Server
OPC-S7	S7/S5 OPC Server
DTM-PB-S	PROFIdtm - DP-V1 CommDTM

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