

PROFlusb

Universal PROFIBUS Interface with USB High Speed Port

High performance, single channel PROFIBUS USB interface for a wide variety of tasks from network configuration, device parameterization and PLC programming to plant maintenance and production data acquisition.

FLEXIBLE PROFIBUS INTERFACE FOR MOBILE APPLICATIONS

Quickly connected to a notebook and ideal for flexible use on different PCs, PROFlusb connects applications on the PC with a PROFIBUS network. As a DP Master Class 2, PROFlusb provides the basis for typical parameterization and maintenance tools. PROFlusb can also perform active control functions as a DP Master Class 1 or via the lowest protocol level (FDL).

EASY, CONVENIENT AND RELIABLE

PROFlusb is very simple and easy to use. To install this compact, rugged device all you do is plug it into the USB port on your PC. The interface runs entirely on USB power so that no external power supply is needed. Thanks to an active electronic coupler inside the bus cable, the connected PROFIBUS segment is not extended. This reliably eliminates disturbances caused by reflections.

RAPIDLY INTEGRATED USING THE RIGHT SOFTWARE INTERFACE




The included PROFIBUS driver software is complemented with many sample programs that demonstrate how to use the PROFIBUS API. A matching Softing OPC Server, which is available as an optional standard interface, quickly and easily connects any application that has an integrated OPC client. Typical applications include visualization, SCADA or MES systems. FDT compliant parameterization tools use the free PROFIdtm Communication DTM from Softing as a link to PROFlusb. Used with the free STEP7 driver, the device can also provide a PG/PC adapter for programming Siemens controllers.

CUSTOMER BENEFITS

- > Rugged Metal Housing for Everyday Use in the Field
- > Active Bus Connection Cable for Reduced Disturbances
- > Easy Integration via API, OPC, DTM, or STEP7 Drivers



TECHNICAL DATA

PROFIBUS Protocol	- DP-V0 Master - DP-V1 Master: Acyclic C2 Services - FDL
Fieldbus Connection	Active Connection Cable (Approximately 120cm) with 9-Pin D-Sub Connector
Transfer Rates	9.6; 19.2; 45.45; 93.75; 187.5; 500; 1500; 3000; 6000; 12000Kbit/s
PC Interface	USB 2.0, High Speed (480Mbit/s),
Operating Temperature	0 °C .. +55°C
Storage Temperature	-20°C .. +70°C
Relative Humidity	< 90%, Non-Condensing
Housing	Aluminum
Dimensions	100mm x 55mm
Power Supply	Supply Voltage: 5V via USB or External 24V Power Source Current Consumption: Typically 400mA (USB)
Drivers Available for	Windows 2000, Windows XP, Windows Vista, Windows 7, Windows 8, Windows Server 2003 R2, Windows Server 2008
Conformity	  

SCOPE OF DELIVERY

	PROFlusb Hardware, USB Cable, CD with Drivers, Documentation and Sample Programs
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ORDER NUMBER

PB-USB	PROFlusb - PROFIBUS USB Interface
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ADDITIONAL PRODUCTS AND SERVICES

OPC-PB	PROFIBUS OPC Server for DP-V0 / DP-V1
DCF-DY-4100	OPC Server for S7 / S5
TRA-PB-TECH	PROFIBUS Technology Training

Softing Industrial Automation is a world leading provider of industrial communication products and technologies for manufacturing and process automation. Our products are tailored to the requirements of system integrators, device vendors, machine and equipment manufacturers or end users and are known for their ease of use and functional advantages.

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