

PROFIBUS OPC Server

The easy way to read and write data in PROFIBUS devices

The PROFIBUS OPC Server gives you fast and easy access to PROFIBUS DP and PA devices from any manufacturer. It provides a high performance and is yet very easy to use. An integrated configurator assists you in setting up PROFIBUS DP-V0 and DP-V1 networks and helps you cut time and cost.

POWERFUL VISUALIZATION

The PROFIBUS OPC Server gives your visualization applications, such as Citect, iFix, InTouch, RSView, WinCC, etc., and any OPC client applications very easy and yet efficient access to the data on PROFIBUS devices. The OPC server supports both cyclic process data exchange and acyclic access to configuration and diagnostic data.

EASY COMMISSIONING

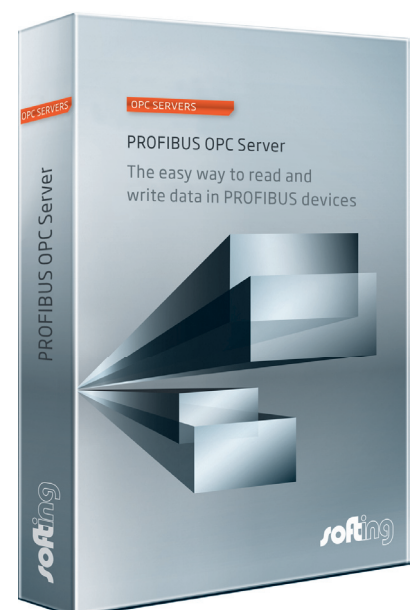
By actively scanning the entire PROFIBUS address space, the Softing configurator detects all the devices connected to a network and automatically generates a network topology. It automatically assigns the device descriptions (GSD files) to the detected devices and installs them along with the OPC server. If additional GSD files are required, you can add them to the installation directory. The configurator automatically creates the OPC server namespace by importing all relevant information from the GSD files. This saves you the tedious task of manually entering the configuration data.

EXTENSIVE DIAGNOSTIC OPTIONS USING STANDARD WEB BROWSERS

The PROFIBUS OPC Server also includes a web server with extensive diagnostic options and visualization functionality, giving you remote access through standard web browsers. The web server supports the OPC Data Access specifications and OPC XML-DA. This way, you can also use the OPC items on systems running non-Windows platforms. The integrated OPC Tunnel provides stable communications in distributed systems without struggling with DCOM settings - even across firewalls.

CUSTOMER BENEFITS

- > Cost saving
- > Simple to use
- > Secure remote access without DCOM



TECHNICAL DATA

Role as bus device	Master class 1 with DP-V0 services Master class 2 with DP-V1 services for connecting and disconnecting, reading and writing
Supported services	According to PROFIBUS EN 50 170 Volume 2, Part 8 and PROFIBUS - DP Extensions to EN 50170 (DPV1)
Data types	Simple data types Bit field, unsigned byte, signed byte, unsigned 16-bit integer, signed 16-bit integer, unsigned 32-bit integer, signed 32-bit integer, 32-bit float, 64-bit double (cyclic only), string Arrays of unsigned byte, signed byte, unsigned 16-bit integer, signed 16-bit integer, unsigned 32-bit integer, signed 32-bit integer, 32-bit float, 64-bit double Records with unsigned byte, signed byte, unsigned 16-bit integer, signed 16-bit integer, unsigned 32-bit integer, signed 32-bit integer, 32-bit float, 64-bit double (cyclic only), string
Net data length	Up to 244 bytes input data and up to 244 bytes output data per slave (device)
Number of addressable slaves	125
OPC specifications	Data Access 2.05, 3.0, XML-DA
Implementation types	OutProc server, service
OPC data types	VARIANT data types VT_I2, I4, R4, R8, DATE, BSTR, BOOL, UI1 as well as arrays of these data types (VT_ARRAY)
OPC interfaces	– All mandatory interfaces defined in Data Access Specifications 2.05, 3.0 and XML-DA – Namespace browsing – Public groups – Support of dynamic namespace
Hardware requirements	– Windows enabled PC – Softing PBusb, PB-PRO1-PCI, PB-PRO2-PCIE, PB-PCCARD2, PB-PC104-MS – Softing FG-100 PB, FG-300 PB
Operating systems	Windows 2000 /XP/Server 2003
Security	– Automatic connection monitoring – Integrated OPC Tunnel to avoid DCOM
Documentation	Online help in English and German

ORDER NUMBER

OPC-PB	License for using the PROFIBUS OPC Server functionality on one computer (software copy protection)
LIC-USB-1	Option, activation key on USB hardware key, only in combination with OPC-PB

ADDITIONAL PRODUCTS AND SERVICES

TRA-OPC-ANW	OPC User Training, 2-day Softing PROFIBUS Interfaces and Gateways
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Softing is a world-leading provider of industrial communication solutions and products designed around the needs of process and production automation. With our interdisciplinary approach and our many years of experience, we offer effective solutions to meet even the most complex requirements.

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