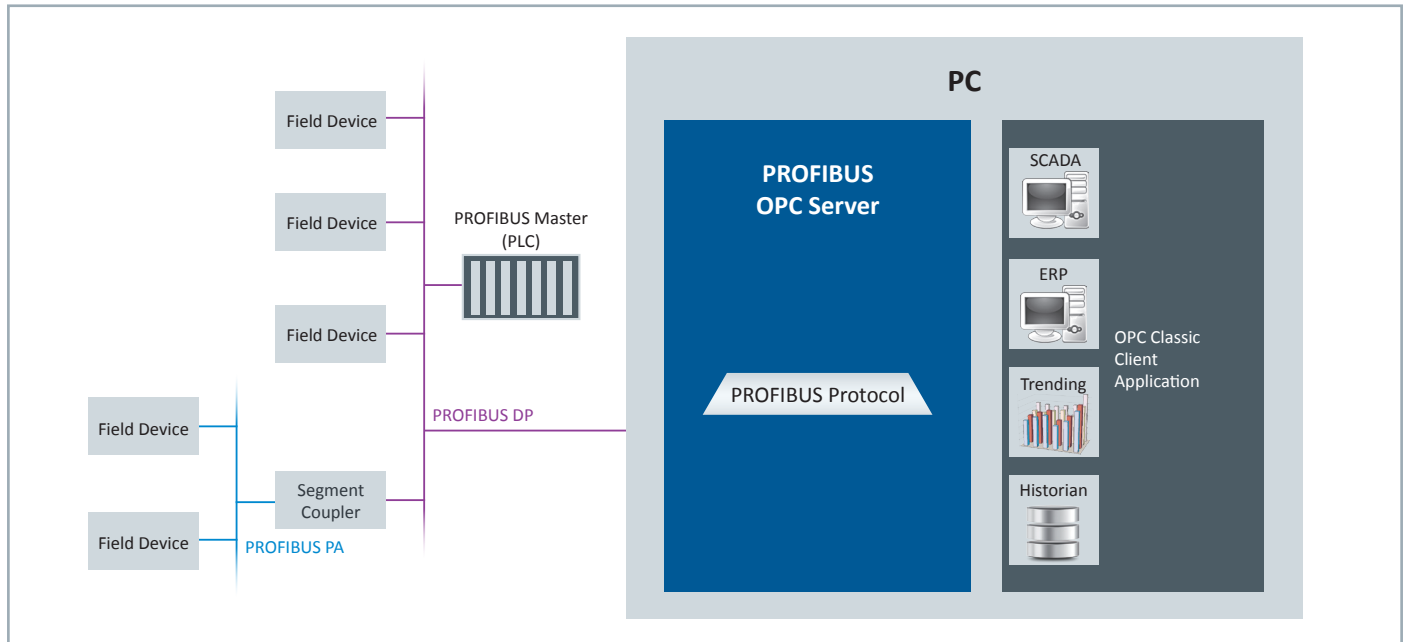


PROFIBUS OPC Server

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 Data Collection

- Very easy and yet efficient access to data on PROFIBUS devices
- Data usage in visualization applications, such as Citect, iFix, InTouch, RSVIEW, WinCC, etc., and any OPC Client applications
- Support of both cyclic process data exchange and acyclic access to configuration and diagnostic data

Easy Commissioning

- Detection of all devices connected to a network by actively scanning the entire PROFIBUS address space
- Automatic generation of network topology
- Assignment of device descriptions (GSD files) from installation to detected devices
- Adding of additional GSD files to installation directory, if required
- Guided creation of OPC Server Namespace by importing all relevant information from GSD files

Extensive Diagnostic Options Using Standard Web Browsers

- Integrated web server with extensive diagnostic options and visualization functionality providing remote access through standard web browsers
- Support of OPC Data Access and OPC XML-DA specifications
- OPC items usable also on systems running non-Windows platforms
- Stable communication in distributed systems and across firewall through integrated OPC Tunnel without struggling with DCOM settings

Technical Data

Role as Bus Device	PROFIBUS Master Class 1 with PROFIBUS DP-V0 services PROFIBUS Master Class 2 with PROFIBUS 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 (PROFIBUS DP V1)
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 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 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 PROFIBUS 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 PBpro USB, PB-PRO1-PCI, PB-PRO1-PCIE, PB-PRO2-PCI, PB-PRO2-PCIE, PB-PC104-MS, PBpro ETH
Supported Operating Systems	Windows XP, Windows 7, Windows 8, Windows 8.1, Windows Server 2003, Windows Server 2008 (32 Bit, 64 Bit), Windows Server 2012
Security	Automatic connection monitoring Integrated OPC Tunnel to avoid DCOM
Demo Version	Full PROFIBUS OPC Server functionality, time-limited to 90 minutes

Scope of Delivery

Software	PROFIBUS OPC Server on CD-ROM
Documentation	Online Help in English and German

Order Numbers

OPC-PB	License for using the PROFIBUS OPC Server functionality on one computer (software copy protection)
UAC-DD-0100	USB hardware for replacing the software key required for activating a Softing product

Additional Products and Services

100-1030-01	Training „OPC Server and Client in Practice“, 2 days Various Softing PROFIBUS interfaces and gateways
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