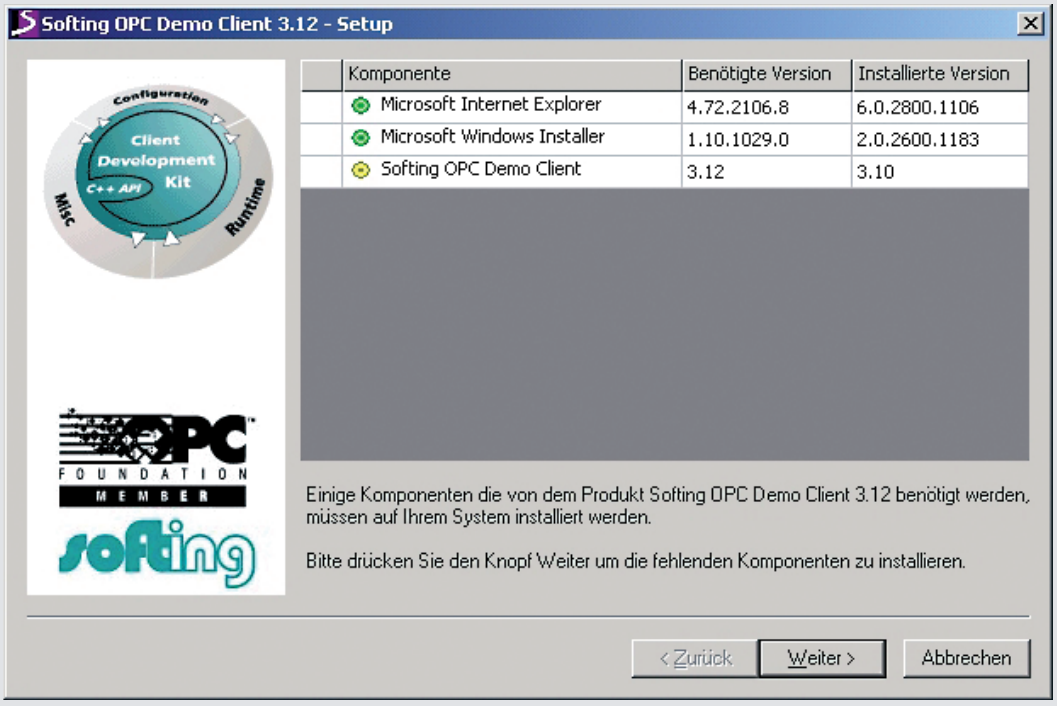
BMS OPC server

Software for connection of BMS systems with

TM operator panels to third-party systems with OPC server



TDB201001en/07.2009

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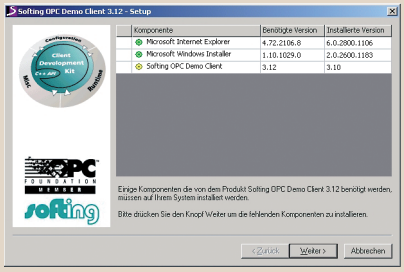


BMS OPC server

Features

- Standardised OPC interface between control and visualization
- Provides alarms and data from MEDICS® systems featuring TM operator panels
- OPC interface according to specification DataAccess (DA) 2.0, downward compatible DA 1.0
- Name space of flat design
- Items for alarm condition, measured value and operating messages
- Configuration via ASCII file
- Easy integration of data into GLT, SCADA or visualization software
- Uncomplicated installation into common personal computers
- Network compatible
- Complete solutions and services
- Access of an OPC client to several OPC servers
- Access of several OPC clients to one OPC server

Product description

The BMS OPC server is a software package that allows BMS systems like MEDICS®, RCMS or EDS to share data with external devices or networks such as building services management systems, SCADA system or visualization software. For this purpose, a personal computer with a built-in BMS OPC server has to be connected to the external BMS bus of TM operator panels. The BMS OPC server gets alarm messages and data from the external BMS bus and transmits them to suitable OPC clients.

Applications

- Provides alarms and data from BMS systems with TM operator panels at the standard OPC interface according to specification DataAccess 2.0
- Each building services management system (GLT) with integrated OPC client according to specification DataAccess 1 or 2 can receive data from the BMS OPC server
- Each visualization software with an integrated OPC client according to specification DataAccess 1 or 2 can receive and represent data from the BMS OPC server
- The configuration of the BMS OPC server is carried out via an ASCII file
- Provision of additional services: installation, configuration, commissioning
- Individual visualization with software package Axeda Wizcon on request
- Complete solutions on request

Function

The BMS-OPS server is controlled via the configuration file esbOPC.cfg. For each channel of any BMS device one line will be provided where specified items can be created. Items can be created for alarm state, measured value, type of measured value and operating message.

Minimum requirements for the installation of a BMS OPC server on a personal computer:

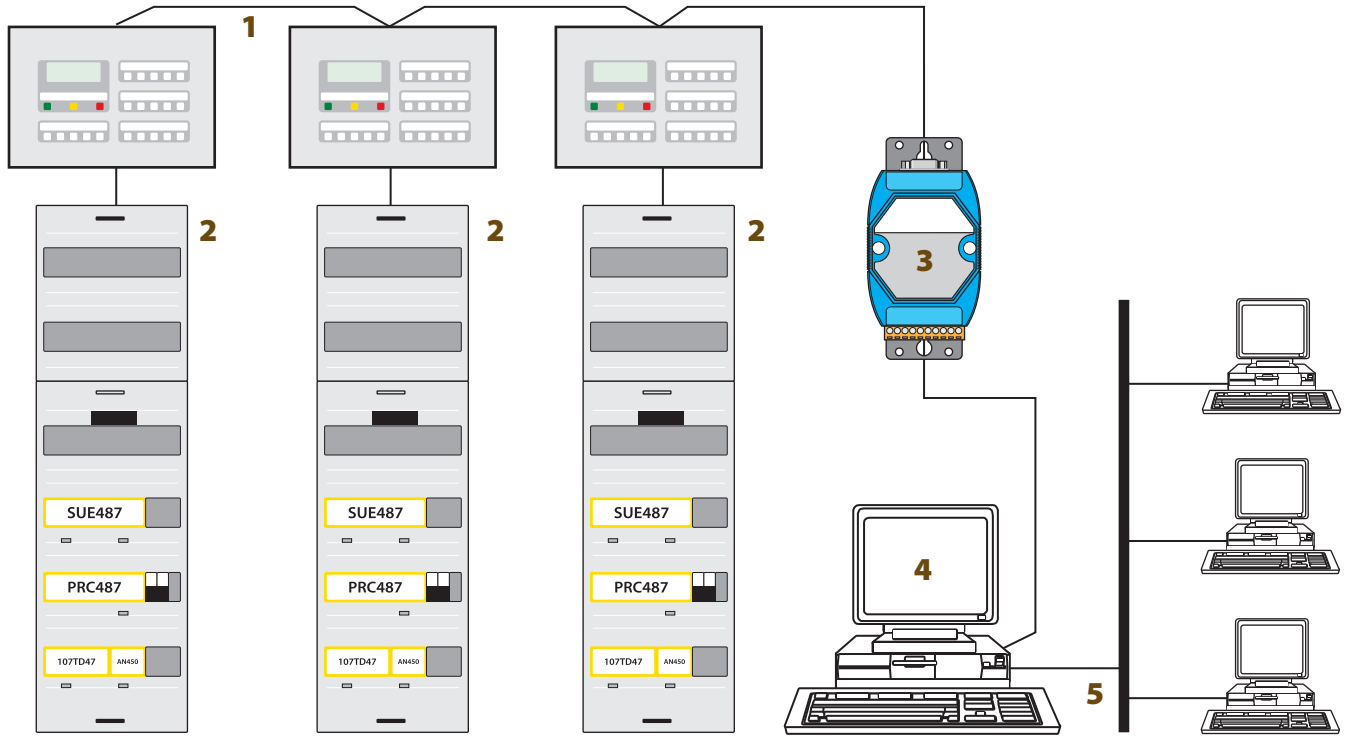
- Operating system Windows 2000 or Windows XP
- Serial RS-232 or USB interface
- 128 MB RAM
- 10 MB free hard disk space
- CD-ROM drive

Connection to the external bus of TM operator panels (RS-485 interface) requires an interface converter. Personal computers providing a serial RS-232 interface require an RS-232/RS-485 converter (e.g.type DI-2).

Alternatively, connection is possible via the PC's USB interface, when a USB/RS-485 converter is used.

The BMS OPC server, a program that runs in the background invisibly for the user, does not have a menu-assisted interface. The BMS OPC server's data will only become visible via an OPC client as counterpart. The integrated OPC clients of the GLT or visualization software display the corresponding data within the graphics modules. For test purposes, OPC Demo clients are recommended to be used, which are offered by several manufactureres free of charge (by Softing, Matrikon, WinTech, ICONICS, to name but a few). The CD-ROM with the BMS OPC server also includes the Softing Demo client.

Wiring diagram



The BMS OPC server in practical use:
MEDICS® systems featuring TM operator panels and changeover modules are connected to a personal computer via an interface converter. A BMS OPC server is installed on the personal computer. GLT, SCADA or visualization software with OPC client can share one personal computer or can be installed on other personal computers in the LAN.

1 - External BMS bus
2 - Internal BMS bus
3 - DI-2 interface converter
4 - Personal computer with integrated BMS OPC server
5 - LAN

Technical data BMS OPC server

Designation	BMS OPC server
Operating system	Windows 2000, Windows XP
Data medium	CD-ROM
Scope of delivery	BMS OPC server, Softing Demo Client, User manual, example of configuration
OPC specification	DataAccess 2.0
Name space	of flat design
Items	alarm, value, message and operatin message items correspondingly
Data type items	configuration, 32 Bit Integer

Ordering information

Type	Art. No.
BMS OPC server on the data medium CD-ROM	**B 9507 0001**

Accessories

Type	Art. No.
Interface converter RS-232/RS-485, type DI-2	B 9501 2022
DI-3-Set (such as B 9501 2022, with power supply unit)	B 9501 2028
Services such as installation, configuration	on request
Complete package: Personal computer with BMS OPC server and interface converter	on request
Customer-specific visualization with Axeda Wizcon	on request

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