



Transmits BACnet data from the building automation to a central management system via OPC UA or DA

“Fresh from the field” right to the management system

## BACnet-2-OPC

Central management and SCADA for industrial automation are increasingly being merged with building automation systems. The field equipment makes more and more use of BACnet as the communications standard for this purpose, whilst Open Platform Communications (OPC) is often used in central management systems. The BACnet-2-OPC software ensures that these systems can use the field operating and consumption data in a simple, quick and economical way.

For more information: [www.mbs-solutions.de](http://www.mbs-solutions.de)



## BACnet-2-OPC

Transmits BACnet data from the building automation to a central management system via OPC UA or DA

The building automation starts with BACnet: the network protocol is used by manufacturers and trades in more and more of their field equipment. Whether the field sensors and actuators are, for example, detecting temperatures or controlling air-conditioning systems, they mostly communicate using this universal manufacturers' standard – ISO 16484-5. On the other hand, the building management systems are usually based on Open Platform Communications (OPC) or its latest specification for Unified Architecture (UA). MBS developed its BACnet-2-OPC software package to allow these two environments to communicate smoothly with each other. Therefore, this replaces the established BACnet OPC server with a thoroughly more modern system.

### State of play using BACnet, OPC UA and Windows

In short, BACnet-2-OPC transfers building automation data, sourced from BACnet field equipment, to UA-based applications. Obviously, a link to OPC DA is possible as usual – even in parallel with the OPC-UA link, if necessary. Plus, of course, the software supports the current version of the BACnet standard, as well as the latest OPC specification and all Windows systems. As a successor to the established BACnet OPC server, that of MBS is based upon many years of experience and guaranteed reliable application.

The system can be parametrised very easily during installation, because the BACnet data can be automatically transferred into OPC with just a few clicks. At the same time, it's also possible to set an individual and more refined configuration. But still, the principle applies: if you want your system to operate in a simple, quick and economical way, then BACnet-2-OPC software will suit you perfectly.

### Quick and cost-effective operation

During operation, BACnet-2-OPC provides online monitoring showing the data currently being generated in the BACnet network. This allows the actual transmitted values, for example of the temperature, to be seen directly. Since several data points can be merged, the software can also be used as a tool that directly supports the operation of a network.

The key feature is the coloured status coding that

guarantees an optimal overview of the network: all data points and their respective operating conditions are displayed on the user interface in different colours (green, amber, red). So, even independent from any management system, the status of any data point can be seen at a glance – whether, for example, it is “out of service” or in alarm condition.

### Simplified handling

BACnet-2-OPC has been modified to work with the current Windows systems, which require a log-in function. To simplify handling in this respect, the user interface and service are separated. So, for example, data from a computer centre server can be relayed without first having to start up the user interface. Adding and deleting OPC data points can be done during operation without interrupting the function.

### Many years of expertise for problem-free communication

MBS GmbH has been a part of the BACnet community and a member of the BIG-EU for 20 years. With all those years of expertise, the company stands behind the reliability of its products, its software and its services. This also applies to the communication between the universal manufacturers BACnet standard and the OPC architecture.

# B2O



## You want to buy BACnet-2-OPC?

No problem. We will be happy to take your order by email :

[BUY NOW](#)

or by telephone:  
+49 21 51 72 94-0

### Can run on:

Windows 7, Windows 10, Windows Server 2008 (R2), Windows Server 2012 (R2), Windows Server 2016, Windows Server 2019

**System requirements\*:** Processor 32-Bit (x86) or 64-Bit (x64) processor of 1.4 GHz or faster, Main memory 2 GB RAM, Hard drive 32 GB, Network interface card (Gigabit)

A BACnet MS/TP router (e.g. MBS UBR-01) is required for communications with BACnet MS/TP networks.

Imprint: **Managing Director:** Gerhard Memmen-Krüger, Nils-Gunnar Fritz

**Register court:** Krefeld HRB 33 7, USt.-IdNr.: DE 120 148 529, Headquarters: Krefeld

**Responsible for contents according to § 6 MDSIV:** Gerhard Memmen-Krüger, Nils-Gunnar Fritz

\*Technical data subject to change without notice.