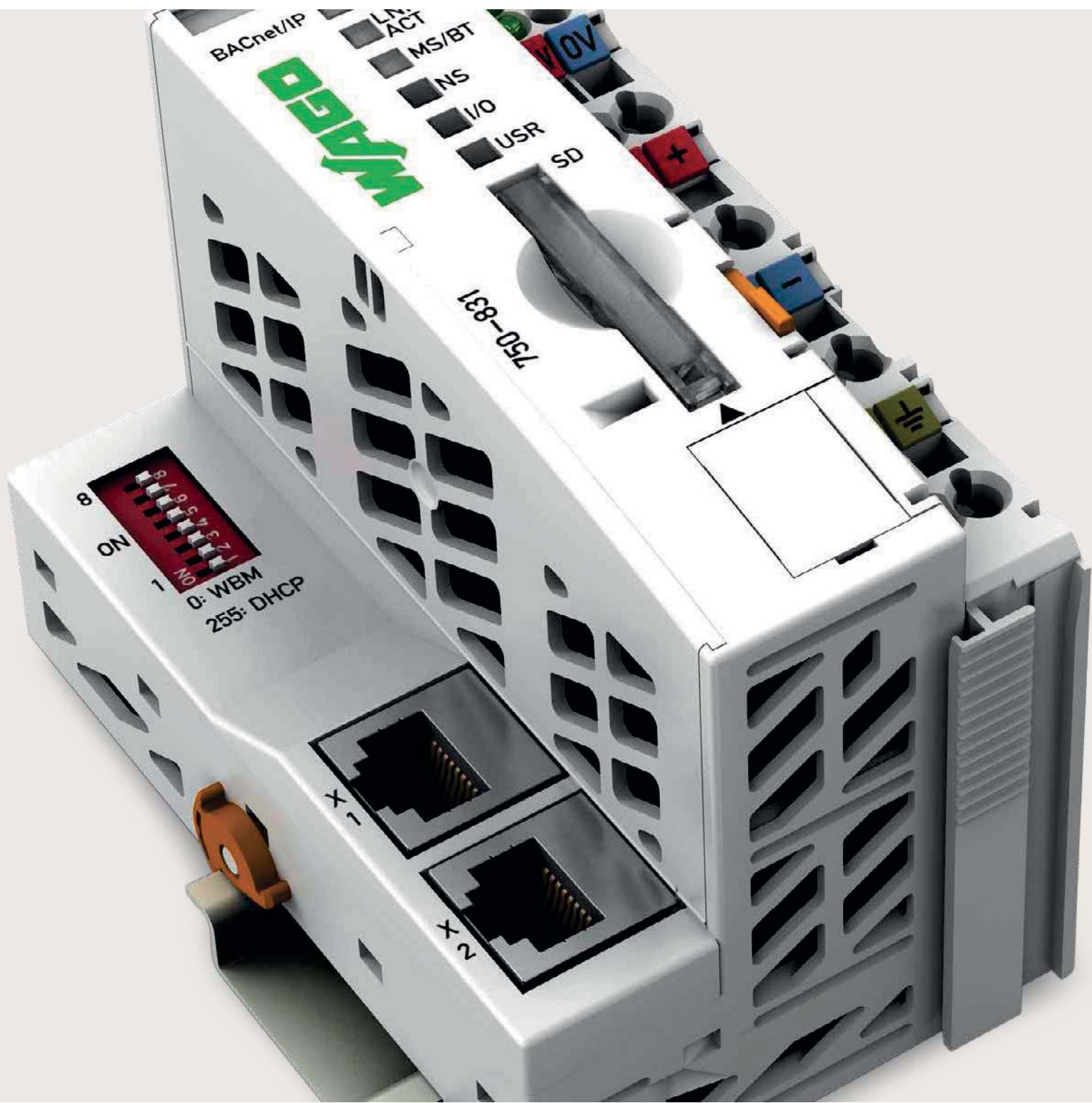


## BACnet Building Controller

Fast Control Solution for Complex Applications!



# BACnet/IP



750-831



750-330



## BACnet/IP – For integrating BACnet via ETHERNET

Building automation, lighting control or HVAC systems: The BACnet/IP Controller is the right choice for your automation projects. This freely programmable fieldbus controller corresponds to the device profile of a BACnet Building Controller (B-BC) with all essential BACnet objects and interoperability modules (BIBBs).

Two ETHERNET interfaces and an integrated switch enable line topology wiring. The control-

ler can be configured via the Webserver and status information can be summoned. The BACnet/IP Controller can be programmed in accordance with IEC 61131-3, is multitasking-capable and features a battery-backed RTC.

The comprehensive WAGO-I/O-SYSTEM product range enables flexible connection of DALI, KNX, EnOcean or LON®.

### BACnet/IP CONTROLLER

- Freely programmable
- 2 x RJ-45 interfaces
- SD card slot
- 2-port switch
- Up to 1000 BACnet objects
- Eco-variants for up to 256 BACnet objects

### BACnet/IP COUPLER

- 2 x RJ-45 interfaces
- SD card slot
- Record I/O signals locally
- Up to 256 BACnet objects

# BACnet MS/TP



750-829

## BACnet MS/TP – For serial connectivity via a two-wire connection

From simple reading and control of sensors/actuators to complex regulation tasks – the BACnet-MS/TP Controller is the flexible and cost-effective solution for serial building communication.

The controller performs not only central or decentralized control and regulation tasks in compact HVAC systems and building automation projects, it also provides a fast and flexible interface to application-specific fieldbuses

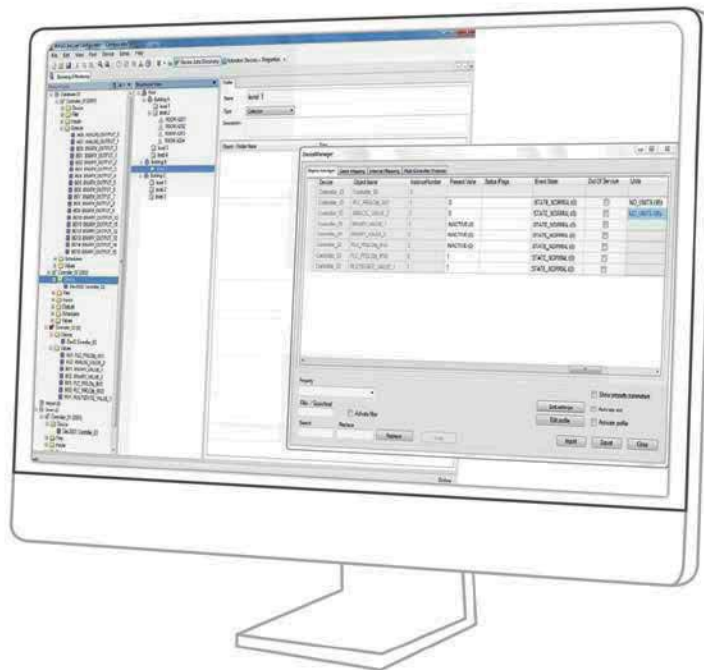
such as DALI, LON®, KNX, EnOcean or MP-Bus. Furthermore, multiple sensors/actuators can be directly and cost-effectively connected to the BACnet Controller's I/O modules.

Above and beyond the specific properties of the MS/TP interfaces, this BACnet Building Controller (B-BC) is freely programmable and can be combined with the WAGO-I/O-SYSTEM for superb results.

### BACnet MS/TP CONTROLLER

- Freely programmable
- BACnet MS/TP interface
- MS/TP Master
- Service interface: ETHERNET
- Up to 250 BACnet objects

# BACnet CONFIGURATOR



## BACnet Configurator

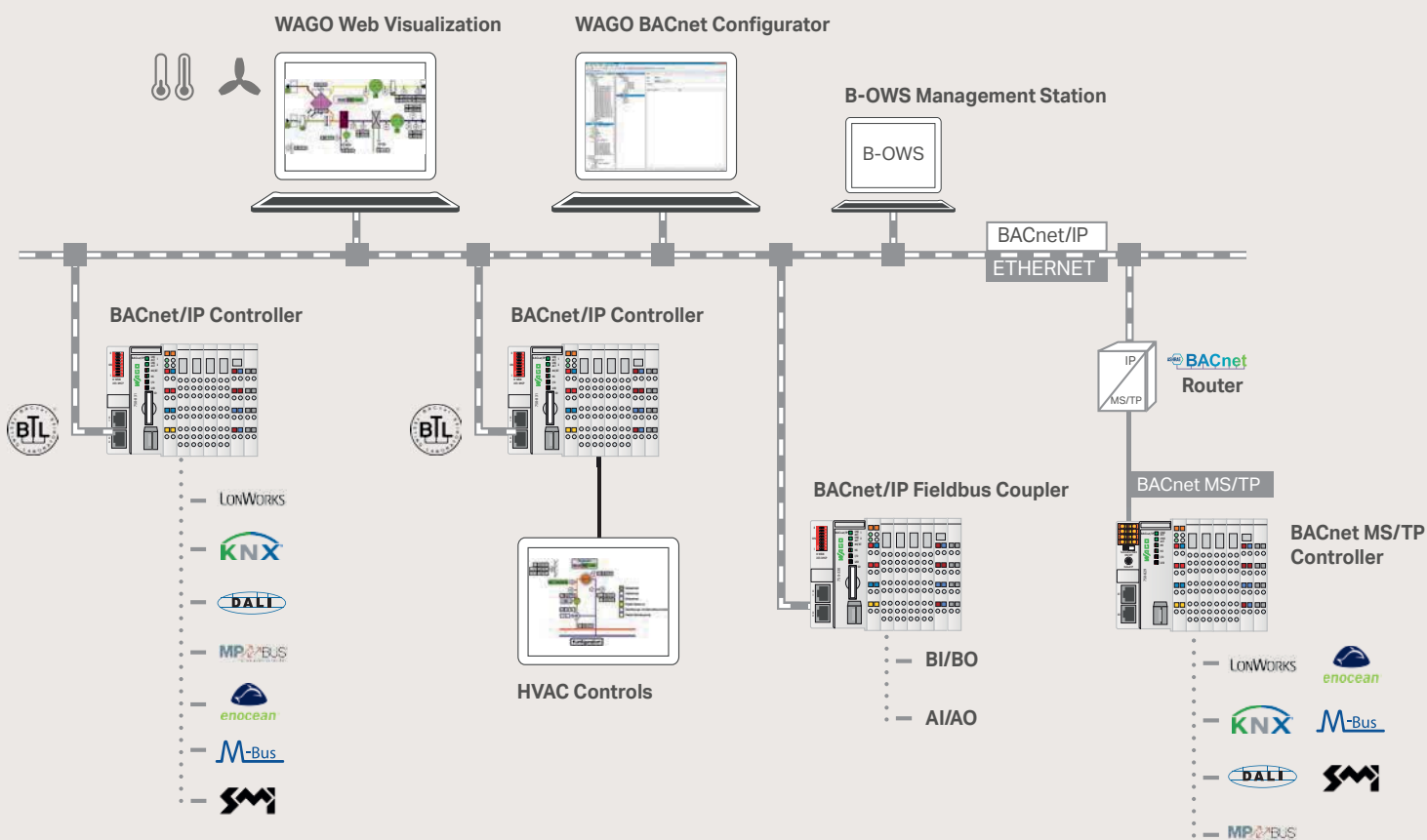
WAGO's BACnet Configurator is an independent commissioning, configuration and management software that enables the WAGO BACnet Controller to be quickly and easily commissioned and configured – no prior programming is necessary. Among the configurator's capabilities are:

- Logical project structuring of the BACnet devices
- Addressing and configuring the fieldbus controller
- Creating and configuring BACnet objects and their properties
- Creating client mappings
- Backup & restore
- Import/export functions

### ADDITIONAL INFORMATION

Continually updated product information and references are available on the WAGO website: [www.wago.com/bacnet](http://www.wago.com/bacnet).

Go to the download assistant under [www.wago.de/downloads](http://www.wago.de/downloads) to obtain the latest documents, data sheets and application notes.



# BACnet CONCEPT

## System Overview

The BACnet Controller connects the well-established, modular WAGO-I/O-SYSTEM with the BACnet protocol, which is prominent in building automation.

BACnet is a building automation communication protocol, standardized according to DIN EN IS 16484-5 to enable uniform communication between building automation products from different manufacturers.

The WAGO BACnet controllers can be combined as required with standard modules and building-specific I/O modules, such as KNX or MP-Bus from the WAGO-I/O-SYSTEM.

The WAGO BACnet Configurator represents a powerful tool for configuring and operating BACnet Controllers in a heterogeneous BACnet network.

WAGO's BACnet Controllers comply with the BACnet Building Controller (B-BC) profile and communicate via BACnet/IP or BACnet MS/TP.

These controllers were awarded the BACnet certificate by the WSPCert independent certification agency, and the BTL listing from BACnet International.

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