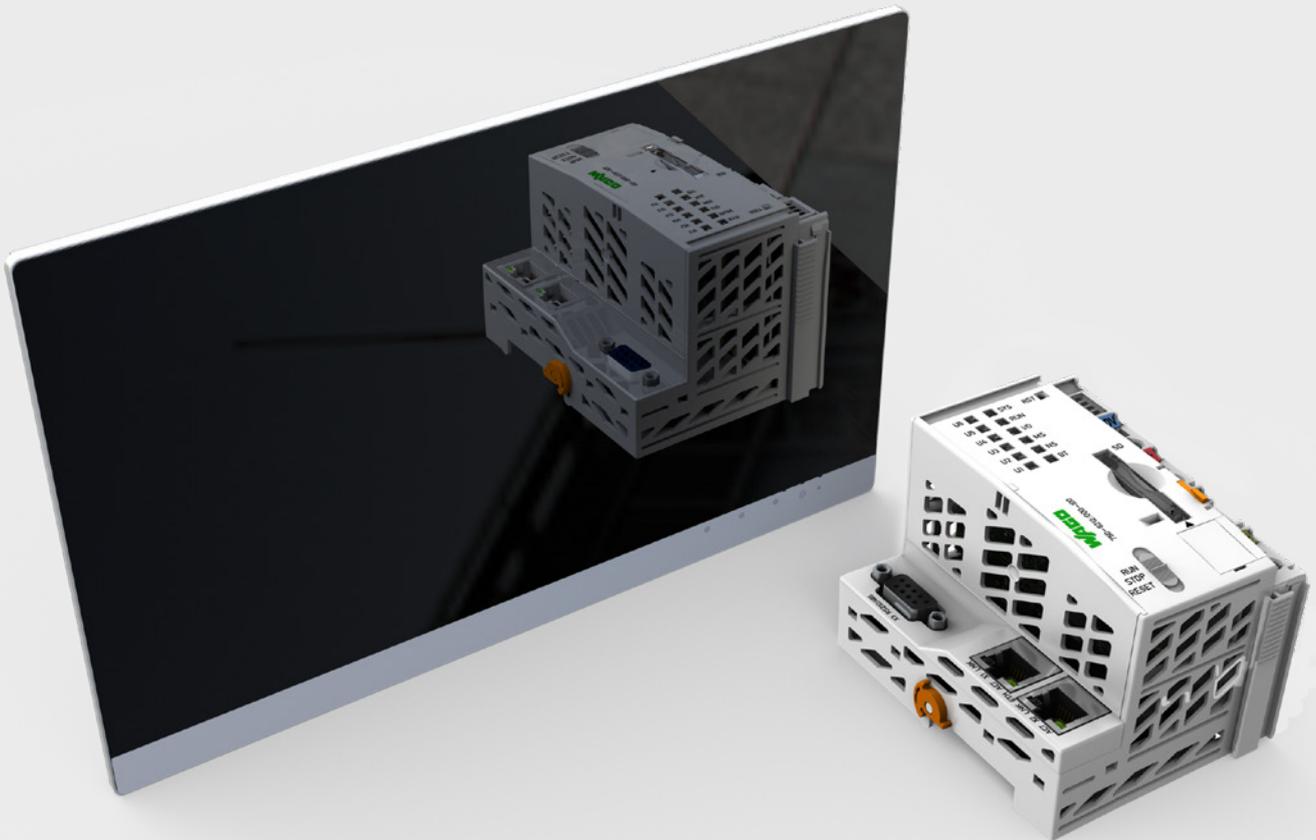
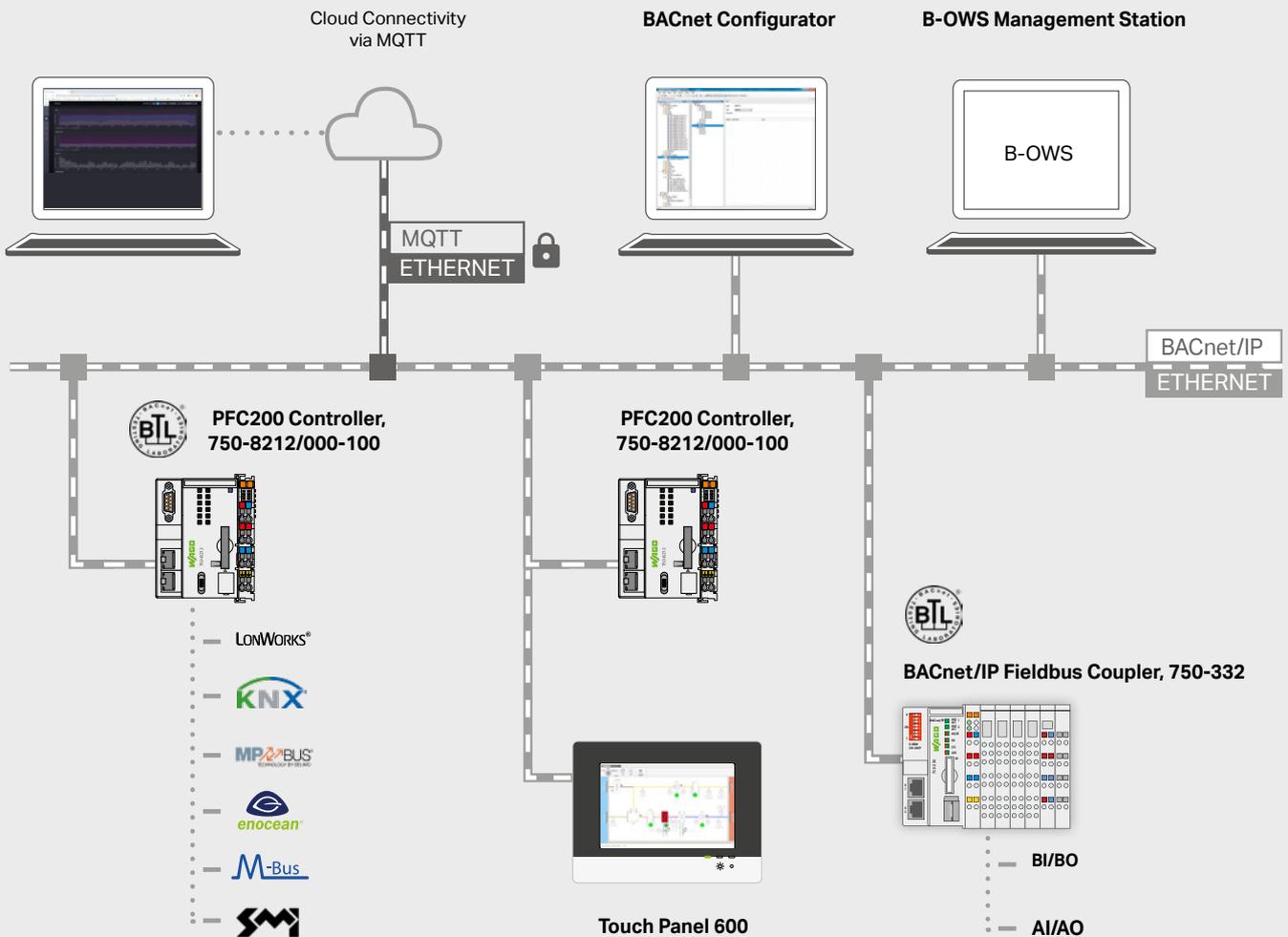




# Open Automation for Your Smart Building

BACnet/IP for PFC200 Controllers and Touch Panels 600





## BACnet Concept – System Overview

The PFC Controller and Touch Panel 600 BACnet devices connect the well-established, modular WAGO I/O System with the BACnet protocol, which is prominent in building automation.

BACnet is a communications protocol for building automation, standardized according to DIN ISO 16484-5 that enables uniform communication between building automation products from different manufacturers.

The BACnet devices can be combined with any standard modules and building-specific WAGO I/O System's modules (e.g., KNX or MP-Bus).

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

comply with the BACnet Building Controller (B-BC) profile and communicate via BACnet/IP.

WAGO's BACnet Fieldbus Coupler is ideal for providing and recording I/O signals within BACnet networks. The coupler automatically generates appropriate BACnet objects for each channel of the connected digital and analog I/O modules, providing them to a BACnet network.

Fieldbus couplers, controllers and touch panels comply with applicable industry standards and meet all market requirements.



## The Perfect Foundation for Smart Buildings – PFC200 and Touch Panels 600 BACnet/IP

By incorporating the BACnet/IP protocol, WAGO's PFC200 Controller and Touch Panel 600 devices offer expanded capabilities – they now allow an even broader range of equipment to meet all building automation requirements. The devices allow users to choose between the Linux® operating system and WAGO's *e!COCKPIT* Engineering Software for perfectly linking the industry-proven BACnet/IP building protocol to modern IT requirements. The PFC200 Controller and Touch Panels 600 create the ideal solution for controlling smart building automation systems, while allowing data to be transmitted to the cloud via integrated MQTT (open messaging protocol) interface.

Two ETHERNET interfaces and an integrated switch enable line topology wiring. The BACnet/IP devices can be programmed in accordance with IEC 61131-3, are multitasking-capable and feature a capacitor-backed RTC. The BACnet interface is generated with WAGO's

BACnet Configurator. Together with the comprehensive and modular WAGO I/O System, both the controller and touch panel offer countless possibilities for implementing building automation projects.

### Advantages:

- BACnet Building Controller (B-BC) with all essential BACnet objects and interoperability building blocks (BIBBs)
- Realization of complex projects with a large number of BACnet objects
- Standard connection to cloud solutions via MQTT
- *e!COCKPIT* and real-time Linux® operating system
- Secure connection via TLS, SSH, VPN and a firewall

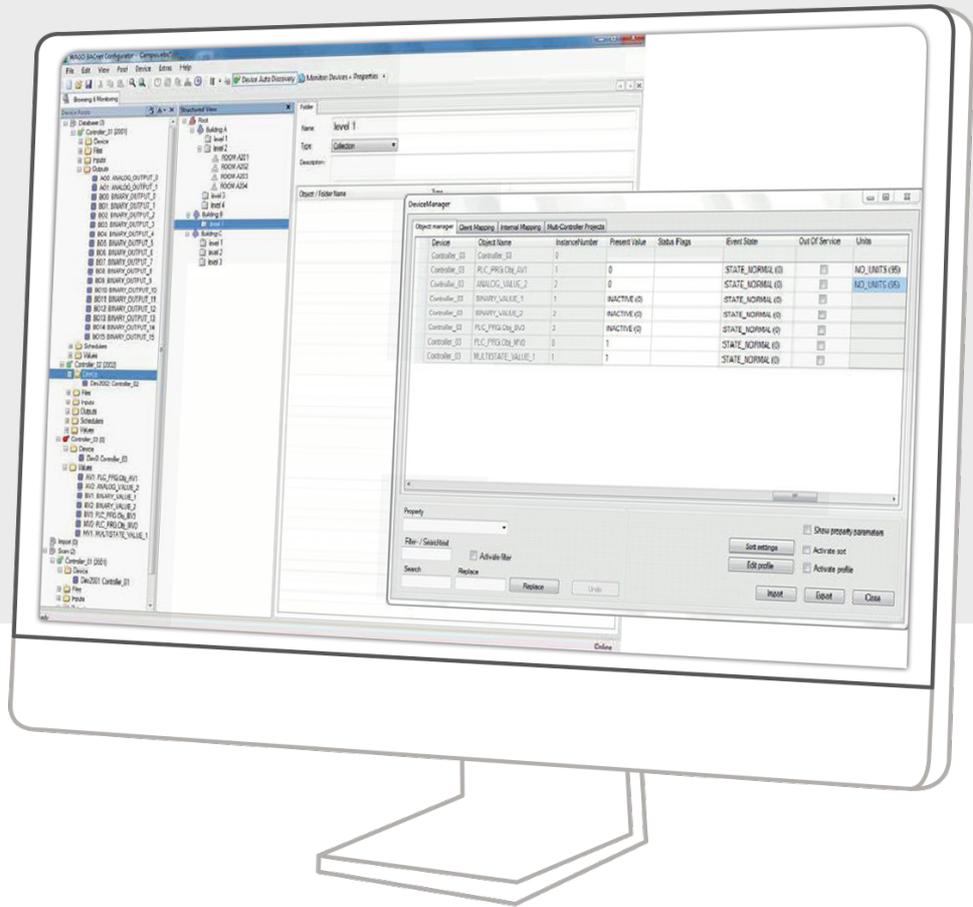
# Retrofit BACnet Functionality

## BACnet/IP Firmware Extension for PFC200 and Touch Panels 600

BACnet is one of the most common communication protocols used in building automation. Recognizing this, WAGO is now offering a firmware extension for its range of PFC200 Controllers and Touch Panel 600 units; the extension can be used to activate existing devices by licensing for BACnet/IP. This addition allows a large number of BACnet objects to be automated with just one PFC200 Controller or Touch Panel 600. With the powerful,

Linux®-based Touch Panels and BACnet licenses, control and visualization of larger building automation projects can be implemented on a single device. The devices act as BACnet Building Controllers (BBC) in accordance with BACnet Revision 14. The BTL listing means that they meet the typical requirements found within tenders. WAGO offers two different types of licenses: one supplies up to 256 BACnet objects, the other has no limitations.





# BACnet Configurator

The BACnet Configurator is a commissioning, configuration and management software that allows BACnet devices to be commissioned and configured quickly and easily – no prior programming experience is necessary. The configurator's capabilities include:

- Logical structuring of the project and 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:

You can always find updated product information and references at: [www.wago.com/bacnet](http://www.wago.com/bacnet). Go to "Service > Downloads" at [www.wago.com](http://www.wago.com) for the latest documents, data sheets and application notes.

**WAGO Kontakttechnik GmbH & Co. KG**

Postfach 2880 · D-32385 Minden  
Hansastraße 27 · D-32423 Minden

**info@wago.com**  
**www.wago.com**

Headquarters	+49 (0)571/ 887 - 0
Sales	+49 (0)571/ 887 - 44 222
Orders	+49 (0)571/ 887 - 44 333
Fax	+49 (0)571/ 887 - 844 169

WAGO is a registered trademark of WAGO Verwaltungsgesellschaft mbH.

“Copyright – WAGO Kontakttechnik GmbH & Co. KG – All rights reserved. The content and structure of the WAGO websites, catalogs, videos and other WAGO media are subject to copyright. Distribution or modification of the contents of these pages and videos is prohibited. Furthermore, the content may neither be copied nor made available to third parties for commercial purposes. Also subject to copyright are the images and videos that were made available to WAGO Kontakttechnik GmbH & Co. KG by third parties.”