

Open Automation for Your Smart Building Controller PFC200 BACnet/IP



The Perfect Foundation for Smart Buildings

– Controller PFC200 BACnet/IP

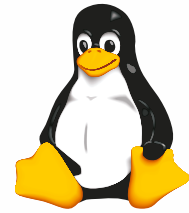
Meeting modern building automation requirements, WAGO now offers a new BACnet/IP Controller that perfectly links the industry-proven BACnet/IP building protocol to modern IT requirements. The new controller complements WAGO's PFC200 family, allowing users to choose between the Linux® operating system and WAGO's *e!COCKPIT* Engineering Software. The new PFC200 Controller is 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 Controller can be programmed in accordance with IEC 61131-3, is multitasking-capable and features a battery-backed RTC. The BACnet interface is generated with the BACnet Configurator. Together with the comprehensive and modular WAGO-I/O-SYSTEM, the controller offers countless possibilities for implementing building automation projects.

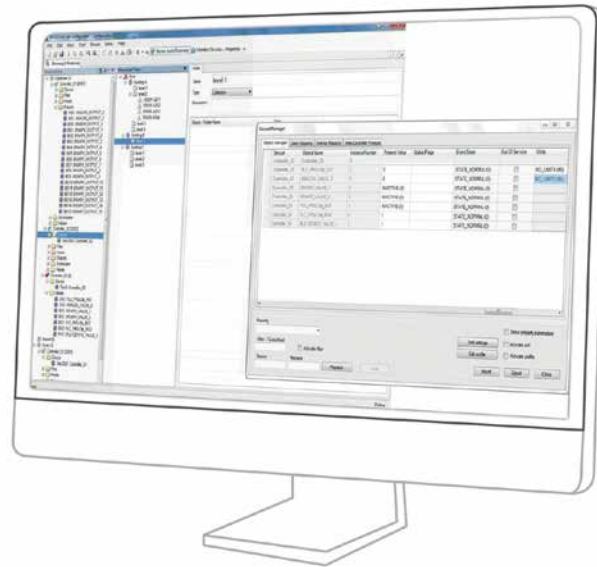
ADVANTAGES:

- **PFC200 G2 Controller with an onboard serial interface and BACnet/IP fieldbus protocol**
- **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**
- **Cortex A8 processor and 512 MB of RAM**
- ***e!COCKPIT* and real-time Linux® operating system**
- **Secure connection via TLS, SSH, VPN and a firewall**

Cloud Connectivity
via MQTT



BACnet CONFIGURATOR



BACnet Configurator

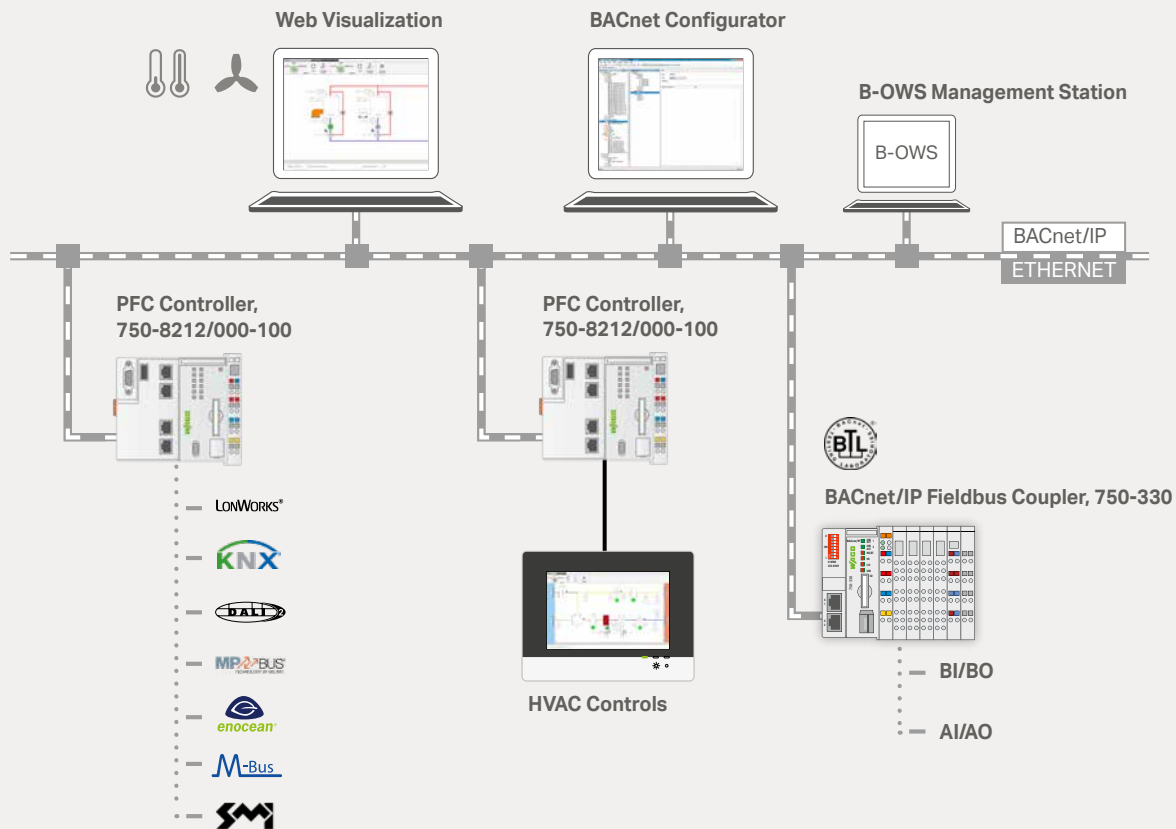
The BACnet Configurator is a commissioning, configuration and management software that allows the BACnet Controller to be commissioned and configured quickly and easily – no prior programming experience is necessary. The configurator’s capabilities include:

- 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

Continually updated product information and references are available at: www.wago.com/bacnet.

Go to “Service > Downloads” at www.wago.com for latest documents, data sheets and application notes.



BACnet CONCEPT

System Overview

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

WAGO's BACnet Configurator is a powerful tool for configuring and operating the BACnet Controllers in a heterogeneous BACnet network.

The BACnet Controller complies with the BACnet Building Controller (B-BC) profile and supports communication 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.

Both the controller and fieldbus coupler comply with applicable industry standards and meet all market requirements.

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