

# SIEMENS



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## IP Gateway KNX/BACnet N 143 – certified system integration

Combining and commissioning flexible room automation and smart building automation and control systems made easy

### Productive KNX/BACnet connection

The IP Gateway KNX/BACnet allows you to integrate KNX installations quickly, easily and efficiently into BACnet-based networks and building automation and control systems. The gateway's on-board KNXnet/IP interface eliminates the need for a separate commissioning interface.

### Commissioning made easy

Commissioning is done with ETS only – no additional tools are required. This eliminates the effort for training and tool maintenance. The device automatically maps the configuration of KNX objects created using ETS to associated BACnet objects. All you need to do in ETS is to set a few parameters and link group addresses. No special training is required to configure the gateway. The basic functionalities, reflected in KNX certification, simplify and accelerate gateway deployment.

The procedure to commission the gateway within the BACnet system is the same as the standard process for any B-ASC\*. Easy integration simplifies planning and assignment of disciplines as well as of responsibilities for the KNX installation and the BACnet system.

### Remote access for added flexibility

The on-board KNXnet/IP interface allows you to configure and commission the gateway and any other devices on the connected KNX bus. Using the integrated web server, you can view the BACnet configuration and the current values of the BACnet objects in any web browser. This supports easy integration in BACnet.

### Reliable communication

LED displays on the housing show a reliable overview of the communication status without requiring additional tools.

### Highlights

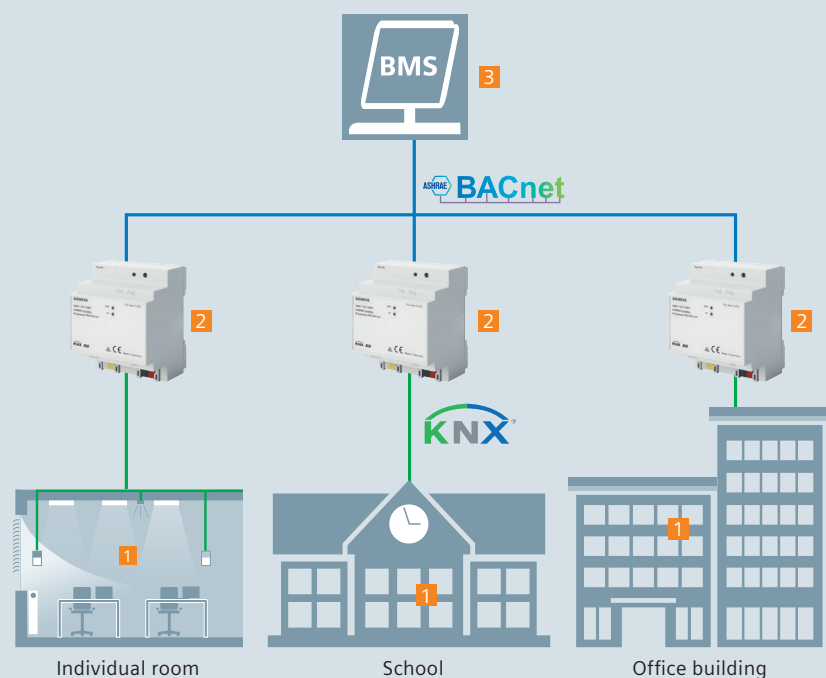
- KNX-certified gateway for easy integration of KNX installations in BACnet systems
- Complete configuration using ETS without the need for an additional commissioning interface
- Acts as a BACnet Application Specific Controller (B-ASC) in BACnet
- Integrated KNXnet/IP interface for configuring the gateway and other KNX devices

\* B-ASC = BACnet Application Specific Controller

# Easy combination of KNX and BACnet installations

The IP Gateway KNX/BACnet allows flexible KNX installations to be integrated with BACnet-based building automation and control systems from different manufacturers.

## Integration of KNX installations into a BACnet building automation and control system



### Legend:

- 1 KNX installation
- 2 IP Gateway KNX/BACnet N 143
- 3 BACnet-based building automation and control system


You can use the gateway to connect any KNX installation to a BACnet system. This facilitates the integration of new KNX installations into existing BACnet-based building management systems, allowing building automation and control systems to be expanded easily and cost-effectively.

Thanks to its KNXnet/IP interface, the gateway can be commissioned by the KNX installer using ETS. Integration into the BACnet system is handled by the system integrator.

You can create up to 250 BACnet objects for which you can store up to 455 BACnet entries for automatic routing of BACnet object values.

## Gateways, interface converters KNX/BACnet

### Specifications

| Type  | Description  |
|---|--|
|  | <p><b>IP Gateway KNX/BACnet N 143</b></p> <ul style="list-style-type: none"> <li>■ With BACnet Application Specific Controller (B-ASC) as gateway between KNX TP and BACnet/IP</li> <li>■ With up to 250 BACnet objects</li> <li>■ With up to 455 BACnet COV subscriptions</li> <li>■ With automatic translation of KNX communication objects into BACnet objects according to the configuration with ETS</li> <li>■ For communication between KNX/EIB devices and PCs or other devices with Ethernet (100BaseT) interface, as well as in conjunction with a LAN modem or DSL router for remote access to a KNX/EIB installation</li> <li>■ For use as an interface, e.g. for ETS3 or for visualization software</li> <li>■ Uses the KNXnet/IP protocol</li> <li>■ With one KNXnet/IP Tunneling connection for parallel bus access by ETS and further PC software</li> <li>■ With ObjectServer connection for visualization via network connections with long signal transmission duration</li> <li>■ With assignment of the network parameters by the installer using ETS, or automatically by a DHCP server in the network</li> <li>■ With 2 LEDs for display of operational availability and IP communication</li> <li>■ With additional power supply by an external safety extra low voltage power supply for DC 24 V</li> <li>■ With pluggable terminal block for connection of external power supply unit (not included)</li> <li>■ With integrated bus coupling unit with bus connection via bus terminal</li> <li>■ Ethernet connection via RJ45 socket</li> <li>■ For mounting on DIN rail EN 60715-TH35-7.5</li> </ul> |

### Selection and ordering data

| Type  | Version                     | DT | Order no.      | Price in € per PU | PU (ST, SZ, M) | PS/ P. unit | PG | Weight per PU (kg) |
|-------|-----------------------------|----|----------------|-------------------|----------------|-------------|----|--------------------|
| N 143 | IP Gateway KNX/BACnet N 143 | A  | 5WG1 143-1AB01 |                   | 1              | 1           |    | 0.120              |

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The information in this document contains general descriptions of technical options available, which do not always have to be present in individual cases. The required features should therefore be specified in each individual case at the time of closing the contract. The document contains a general product overview. Availability can vary by country. For detailed product information, please contact the company office or authorized partners.

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Our world is undergoing changes that force us to think in new ways: demographic change, urbanization, global warming and resource shortages. Maximum efficiency has top priority – and not only where energy is concerned. In addition, we need to increase comfort for the well-being of users. Also, our need for safety and security is constantly growing. For our customers, success is defined by how well they manage these challenges. Siemens has the answers.

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