



**Overview**

The EZ Gateway KNX to BACnet (FS-EZX-KNX-BAC) is an easy-to-use, high-performance building and industrial automation protocol gateway for integrators to interface KNX certified products to BACnet management systems in commercial buildings, campuses, and industrial facilities. KNX-certified products encompass a wide range of applications such as lighting control, heating, ventilation and air conditioning control, shutter/blind and shading control, alarm monitoring, energy, gas, and water metering, and audio and video distribution. The EZ Gateway KNX to BACnet integrates such KNX-based devices and systems to BACnet-based management systems over BACnet MS/TP or BACnet/IP protocols.

The EZ Gateway KNX to BACnet combines field-hardened KNX and BACnet protocol drivers with an easy to use configuration interface. The EZ Gateway’s KNX interface is compatible with all KNX-certified products, while the EZ Gateway’s BACnet interface has been certified by BACnet Test Laboratory (BTL). The intuitive web-based interface allows configurations to be built in the field or in the office, thereby simplifying the commissioning and integration process.

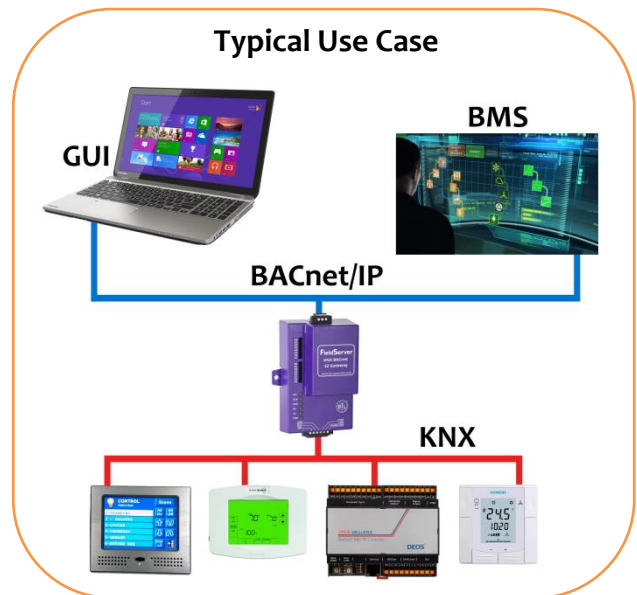


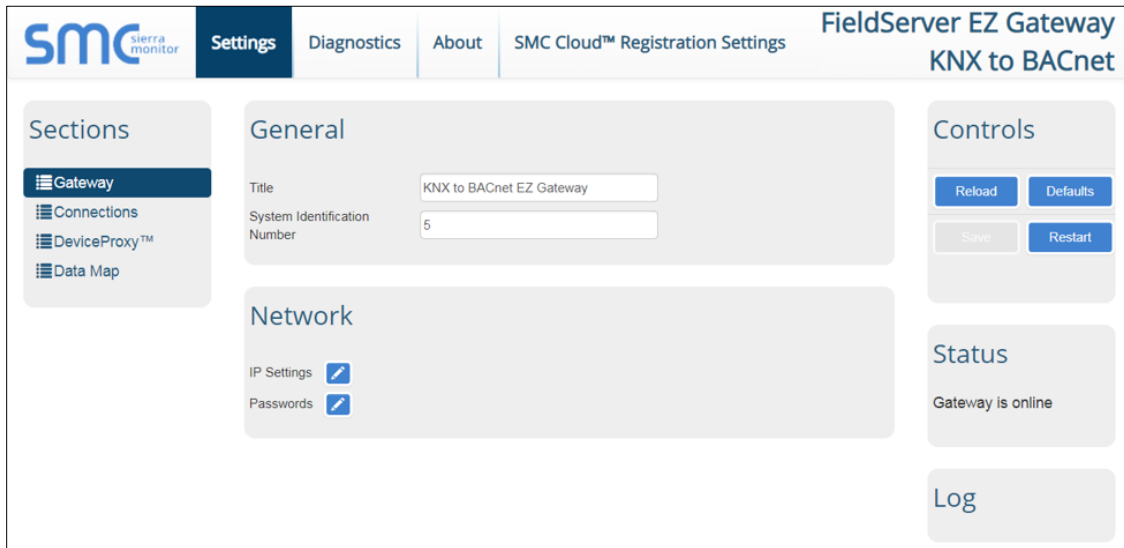
MSA Safety’s unique FieldServer DeviceProxy™ feature allows each KNX device to be presented as a corresponding virtual BACnet device within the EZ Gateway, thereby providing granular visibility and control over each KNX device from within a BACnet management framework. For example, offline / online status is visible at the individual KNX device.

With the EZ Gateway KNX to BACnet, the integrator/contractor does not need to be a protocol expert, and can minimize configuration and commissioning time, while also reducing ongoing operating and maintenance costs.

**EZ Gateway Features and Benefits**

- Protocols supported:
  - KNX    ○ BACnet MS/TP    ○ BACnet/IP
- Built-in KNX data map graphical user interface
- Import of XML and ESF file types is available for easy data mapping
- Supports up to 500 or 1,000 KNX points
- No additional software needed for configuration
- BACnet COV support provides fast data communication while reducing BACnet network traffic
- BACnet BBMD Server support for connecting to remote BACnet networks
- Device Proxy supports virtual nodes, allowing each KNX device connected to a EZ Gateway to be seen as a separate device on the BACnet network
- Web Interface allows drag-and-drop functionality for speedy setup and configuration
- Diagnostics information for devices connected to the EZ Gateway can be viewed via Web Interface
- BTL certified to revision 16
- **SMC Cloud** registration connects your devices to the cloud, allowing secure remote access for diagnostics, monitoring, alarming and configuration
- On-board diagnostics allow easy troubleshooting for both serial and Ethernet communications
- **FieldSafe** adds a wealth of security options, including: web configuration page authentication (self-signed certificates), robust user and password management features.





### Configuration

The Web Interface is used to configure the KNX and BACnet connections, and mappings are created for each KNX device to be connected to the EZ Gateway. Specific KNX data points are mapped through to BACnet objects making integration easy and efficient.

### Specifications\*

#### Environment

**Operating temperature:** -40 to 75°C (-40 to 167°F)  
**Relative humidity:** 5-90% RH non-condensing

#### Power Requirements

9-30VDC or 12-24VAC  
**Current Draw:** @ 12V  
**FS-EZX-KNX-BAC:** 240 mA

#### Physical Dimensions

**H x W x D:** 4.5 x 2.9 x 1.6 in. (11.5 x 7.4 x 4.1 cm)  
**Weight:** 0.4 lbs (0.2 Kg)

#### Other

**Configuration/Diagnostic utilities**  
**Capacity:** 500 points FS-EZ1-KNX-BAC  
 1,000 points FS-EZ2-KNX-BAC  
**Table, Wall or DIN rail mount**

#### Communication

**Baud:** 9600  
**Start Bit:** 8  
**Stop Bit:** 1  
**Parity:** Odd  
**Ethernet:** 10/100 BaseT MDIX

#### Approvals

**CE and FCC**  
**TUV Approved** to UL 916, EN 50491-3  
 and CSA C22.2 standards  
**BTL Certified** Rev 16  
**RoHS3 and WEEE Compliant**  
**GOST-R Certified**



\*Specifications subject to change without notice

### Ordering Information

The EZ Gateway KNX to BACnet is available in multiple point count configurations.

- FS-EZ1-KNX-BAC 500 Points
- FS-EZ2-KNX-BAC 1,000 Points

### Options

The Accessory Kit consists of a power supply, Ethernet cable, screwdriver, DIN rail mount and a USB flash drive that includes all manuals, data sheets, notes and the discovery tool.

- FS-8915-36-QS Accessory Kit, 110/220V

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