

Overview

Through the **KNX IP driver** you can connect to KNX networks via a KNX IP interface, enabling EC-Net^{AX} Supervisor to manage one or more KNX networks and provide scheduling, logging, alarming and comprehensive web-served graphics features. The KNX driver is included as a standard open network driver in an EC-BOS^{AX}, but is charged per 500 point bundle when used with EC-Net^{AX} Supervisor.

The KNX driver, often referred to as the EIBnet/IP driver, supports a variety of features that facilitate a wider range of KNX applications including complex lighting control.

Applications

- Enables management of KNX networks, which have been commissioned using the KNX ETS tool
- Permits complex lighting control

Features & Benefits

- Multiple IP interfaces are supported for distributed large systems
- EIB data points can be learnt and quickly populated from the exported ETS tool data file
- Niagara^{AX} Framework[®] EIB data points support multiple EIB/KNX group addresses
- All KNX data can be easily read and modified
- Second Ethernet port on an EC-BOS^{AX} can be used as a KNX interface connection

Interface options

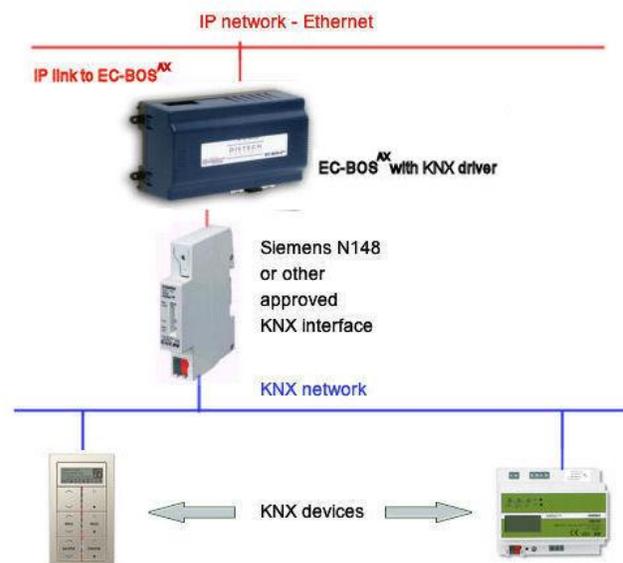
The second Ethernet port on the EC-BOS^{AX} can be used to connect to the KNX interface, allowing the control integration IP traffic to be kept separate from the management IP traffic.

The KNX driver has been tested with the following interfaces:

- Siemens N146
- Siemens N148
- IPAS Combridge MCG-R

Whichever interface is chosen needs to be purchased from a KNX dealer.

Distech Controls does not currently support the ABB interface.



Specifications

The KNX IP driver is compliant with the KNX specifications (EIBnet/IP version 1.0) found in the KNX Handbook. This driver implements an EIBnet/IP client that can access services and data in a KNX system via an EIBnet/IP server. In addition, the KNX IP driver functions in all EC-Net^{AX} platforms that support IP communications.

The following list details support contained in the driver:

- EIBnet/IP – Core
- EIBnet/IP – Tunneling
Supports tunneling on KNX Data Link Layer

Refer to the user guide for full details of supported features.

The KNX IP driver allows the creation of any of the following ControlPoint/KnxPrxyExt combinations:

- NumericPoint / KnxNumericProxyExt
- NumericWritable / KnxNumericProxyExt
- BooleanPoint / KnxBooleanProxyExt
- BooleanWritable / KnxBooleanProxyExt
- StringPoint / KnxStringProxyExt
- StringWritable / KnxStringProxyExt
- EnumPoint / KnxEnumProxyExt
- EnumWritable / KnxEnumProxyExt

In addition, the behavior of the point or proxy extension is modified depending on the selected data type in the KnxProxyExt. EIB data points can be learnt and quickly populated from the exported ETS data file. Niagara^{AX} EIB data points support multiple EIB/KNX group addresses. A very large table specifying what the supported mappings are from Niagara^{AX} to EIB/KNX and from EIB/KNX to Niagara^{AX} EIBnet/IP Driver User Guide.

For more information on the KNX IP driver or other Distech Controls products, please refer to our web site at www.distech-controls.eu or contact sales@distech-controls.eu.

Product Warranty & Total Quality Commitment

All Distech Controls product lines are built to meet rigorous quality standards and carry a two-year warranty. Distech Controls is an ISO 9001 registered company. Distech Controls' products provide both the contractor and the end user with the flexibility of using "best-of-breed" products in system design.

Specifications subject to change without notice.

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