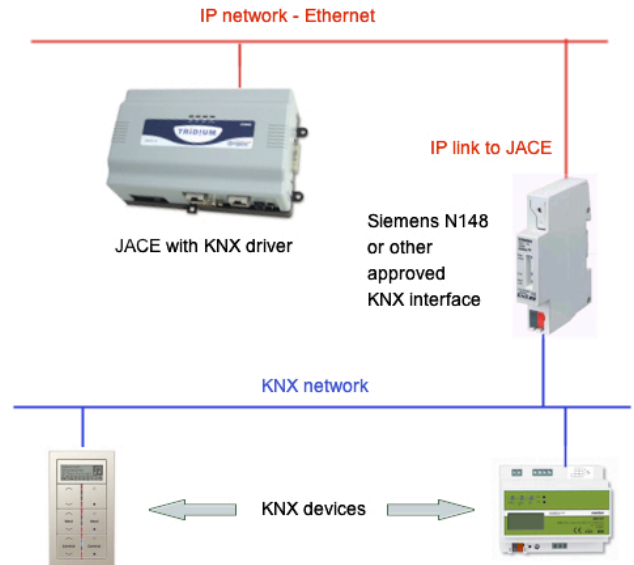


Manage KNX networks using Niagara to provide scheduling, logging, alarming and visualisation

The Niagara KNX IP driver connects to KNX networks via a KNX IP interface, enabling Niagara AX to manage one or more KNX networks to provide scheduling, logging, alarming and comprehensive web served graphics features. The KNX driver is included as a standard open network driver in a JACE, but is charged per 500 point bundle when used with AX Supervisor.

Referred to in documentation as EIBNet-IP driver the KNX driver AX supports a range of features to enable use in a wider range of KNX applications including complex lighting control (see overleaf for details).



Key features

Enables management of KNX networks which have been commissioned using the KNX ETS tool. Connection is via one or more IP to KNX interface(s).

- Multiple IP interfaces are supported for distributed large systems
- EIB data points can be learnt and quickly populated from the ETS tool exported data file
- Niagara EIB data points support multiple EIB/KNX group addresses
- Read and write all KNX data
- Suitable for managing complex KNX networks
- Can use 2nd Ethernet port on JACE for KNX interface connection

How to order

The KNX IP driver license is included when any standard JACE is purchased, so no order is required when connecting to a KNX network via a JACE.

When used on AX Supervisor the following order codes are used:

DSXKNX	EIB/KNX IP driver for Niagara AX including license for 500 points
PD5KNX	Additional 500 points license

KNX Driver Datasheet

Specifications

The EIBnet/IP driver was written to be compliant with KNX specifications Volume 3: System Specifications, Part 8:EIBnet/IP version 1.0 (Draft Proposal). This driver implements an EIBnet/IP client that can access services and data in a KNX system via an EIBnet/IP server.

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 EIBnet/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 behaviour 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 ETS tool exported data file.

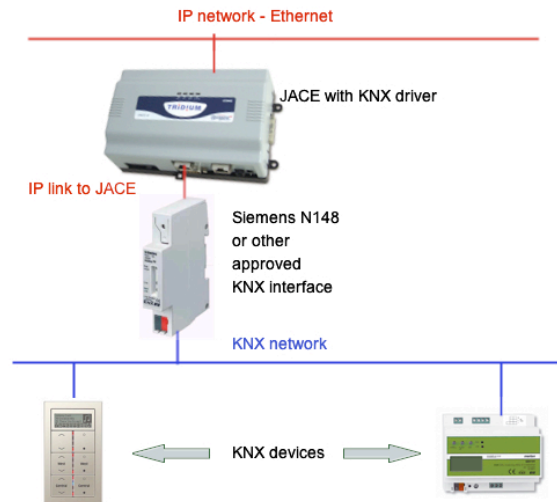
Niagara EIB data points support multiple EIB/KNX group addresses.

A very large table specifying what the supported mappings are from Niagara to EIB/KNX and from EIB/KNX to Niagara is included in the Niagara AX EIBnet/IP Driver User Guide.

Platforms Supported

The EIBNET/IP driver will function on all AX platforms that support IP communications.

The 2nd Ethernet port on the JACE can be used to connect the KNX interface allowing the control integration IP traffic to be kept separate from the management IP traffic.



Interface options

The 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.

Tridium do not currently support the ABB interface.



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