

Falcon. Technical Info

Falcon is an KNX/EIB protocol stack for Windows, based on the Component Object Model (COM).

Accessing an KNX/EIB network from your own Windows application is very easy thanks to Falcon. Falcon is a DCOM-based 32-bit access library for Windows. It offers a comfortable API for all aspects of bus/device access/management, such as group telegrams, device properties, physical addresses and many more. Thanks to the usage of DCOM and .NET, access is possible for programming environments that suitably support these models; furthermore scripting languages like VBA can be used to access KNX/EIB networks from office applications.

Falcon is also used as network access library for ETS 3 and EITT.

Falcon offers a method-level API for generating and retrieving telegrams on/from the connected KNX/EIB network(s). This means that any protocol detail, such as binary encoding is hidden for the client application using Falcon.

In addition, Falcon completely encapsulates the nitty-gritty of PC/EIB gateways and their local communication protocols.

DCOM (= Microsoft's Distributed Component Object Model) makes it possible to use Falcon across a LAN.