



## Main Features

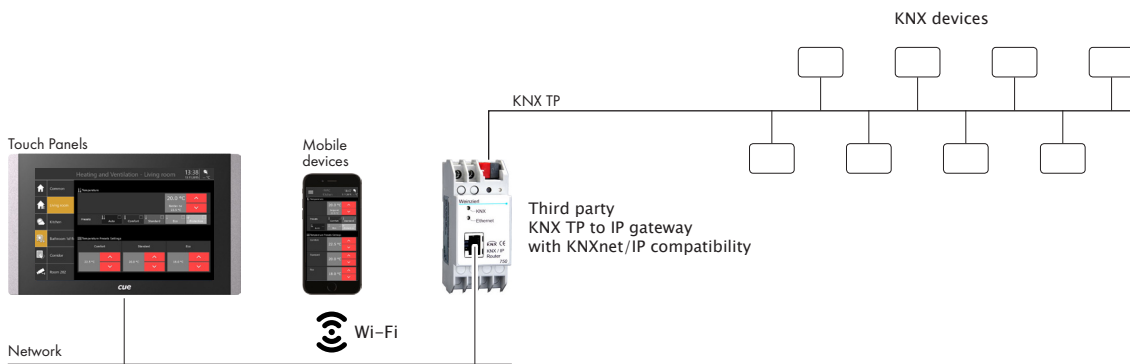
- Simple and efficient KNX integration
- Bi-directional IP network communication
- Third party KNXnet/IP compatible gateways can be used
- KNXnet/IP routing is supported, tunnelling is not supported
- Compatible with dedicated drivers for various KNX DPTs
- Sends and receives KNX DPTs data
- Unified API for various DPTs
- KNX system project preparing in ETS5

## Description

KNXnet/IP standard defines the integration of KNX protocol implementations within the IP protocol. It is a standardized protocol, which is implemented within KNX devices. Typically, it is represented by the KNX IP Router (KNX IP Interface, KNX IP Gateway, etc.), which makes interface between KNX TP (twisted pair) and Ethernet. KNXnet/IP standard defines two IP communication methods – tunnelling and routing. Currently, KNXnet/IP routing is supported by Cue System. KNXnet/IP routing uses one-to-many communication relationship (multicast), in which KNX data is transferred from one device to one or more other devices simultaneously over an IP network. By default, Multicast IP address 224.0.23.12 and port 3671 is used.

This software solution integrates KNX via IP interface and gives your Cue System the ability to control all aspects of the KNX system. Connection is provided using controller or touch panel IP network port. It enables the user read and set KNX DPTs from any of the Cue System user interfaces - keypads, touch panels and mobile applications. All these DPTs can be automated and triggered too. The device driver provides bi-directional communication with any third party KNXnet/IP compatible gateway and it is compatible with drivers representing KNX DPTs. First way allows control from Cue System, second way allows monitor any changes in the KNX system and display them on the Cue System user interfaces. KNX project is prepared in the ETS5 software.

## Application Diagram



## Order Information

Device driver is part of CVC 6.14 and higher.  
For more information see CVC Help, section CUEdevices, KNXnet/IP.

## Specifications

### Interface

Ethernet

### Hardware required

Touch panel or controller for TCP/IP network control

### Drivers

KNXnet-IP Routing

Dedicated DPT drivers

### Available DPT drivers

DPT1, DPT3, DPT5,  
DPT6, DPT7,  
DPT8, DPT9,  
DPT10, DPT11,  
DPT12, DPT13,  
DPT14, DPT16