ABB i-bus® KNX

IP Interface IPS/S 2.1
IP Router IPR/S 2.1
Overview

- Two devices
  - IP Interface IPS/S 2.1
  - IP Router IPR/S 2.1
- Common features
  - KNXnet/IP protocol
  - 2 Modules wide
  - Additional power supply (10..30 V DC) necessary
To connect a PC (for visualization or programming) to KNX via IP

KNXnet/IP capabilities:
- Only Tunneling

Main usage: Programming via IP

Suitable to connect a PC with visualization software in a small/medium-sized project with one line / area
To connect a PC (for visualization or programming) to KNX via IP

To connect lines / areas via IP

KNXnet/IP capabilities:
- Tunneling
- Routing

Main usage:
Routing of KNX telegrams over IP in all kind of projects

Additional feature:
Programming via IP
As an area coupler

Ethernet (10/100 MBit)

Main line 1 (9.6 kBit)

1.0.0

LK

Main line 2

2.0.0

LK

With IPR/S as area coupler up to 15 IPR/S per ETS-Project are possible
IP Router

(IPR/S 2.1)

As a line coupler

Ethernet (10/100 MBit)

With IPR/S as line coupler 15 x 15 = 225 IPR/S per ETS project are possible

G = KNX device
IP Router

In the network

Router
Switch
Ethernet

Visualisation PC

KNX Line 1  KNX Line 2  KNX Line 3  KNX Line n

(IPR/S 2.1)
IP Router (IPR/S 2.1)

- Not compatible with IP-Gateway IG/S1.1!
- As interface between IP-Gateway IG/S and IP Router IPR/S an OPC Bridge (software) can be used
OPC server software

OPC server software which runs with the IPR/S is available from:

- NETxAUTOMATION
  (www.netxautomation.com)