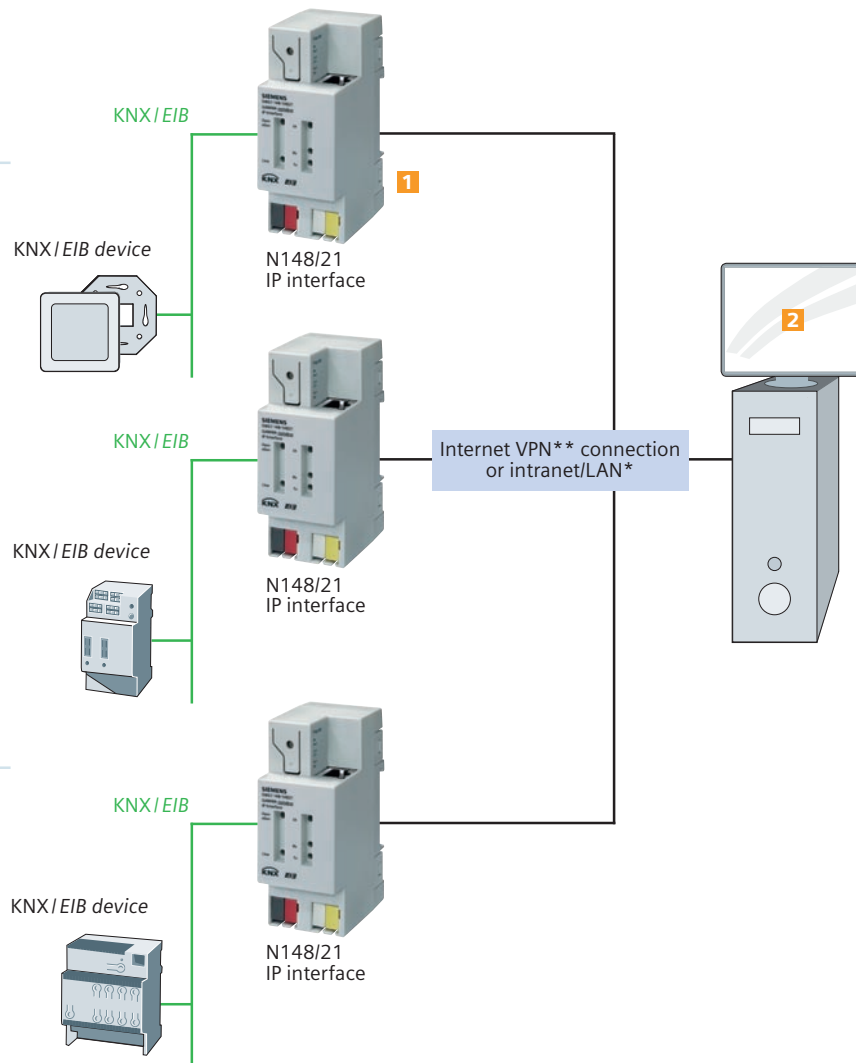


GAMMA practical tips

Demand-based maintenance with remote signaling

Many physically remote sites have to be regularly checked in order to detect certain states and carry out appropriate maintenance work. The level in the oil tanks of a group of apartment blocks and the operating hours of different loads are just two examples. These states can now be reported to any central location. Cyclic inspections are a thing of the past, and maintenance – such as topping up the oil tanks in distributed apartment blocks – is only undertaken if it is actually essential. The fact that this work can be timed to coincide with periods when oil prices are low represents an added advantage.

The solution:



Electrical Installation from A to Z

Practical tip No. 7

The benefit for you:

- Central status information for physically remote sites
- Less maintenance required
- Maintenance costs optimized

*LAN

LAN is the abbreviation for Local Area Network. Data transport in a LAN is based on IP – the standard network protocol employed on the Internet.

**VPN

VPN (Virtual Private Network) allows a secure subnet, in which communication is tightly shielded from interception or access by unauthorized users, to be established over an open, unprotected network (Internet, radio). This is achieved by “tunneling” data traffic via a VPN server, which requires authentication of all connection setup attempts, and simultaneously encrypting the data.

Practical tips

What to do:

- Connect one N148/21 IP interface per site to the KNX / EIB
- Connect the N148/21 IP interfaces to the LAN
- Assign an IP address to each N148/21 IP interface from its line in ETS3.0c (KNX / EIB commissioning software) and then parameterize it

What you need:

- N148/21 IP interfaces (1x per site)
- 24 V power supply for N148/21 IP interfaces (possibly drawn from the KNX / EIB power supply)
- IPAS ComBridge Studio visualization software (for remote operation)
- ETS3.0c

Ordering data

Product	Order No.
1 N148/21 IP interface	5WG1 148-1AB21
2 IPAS ComBridge Studio visualization software	63101-32-01

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