

GAMMA practical tips

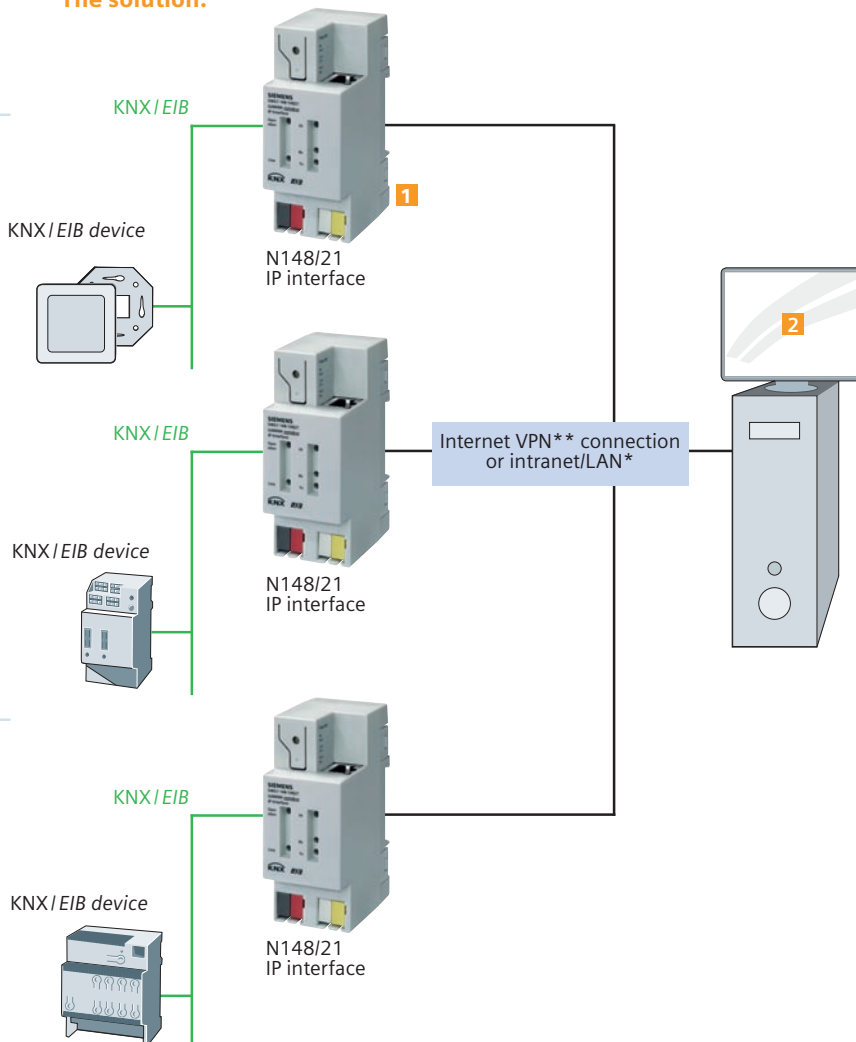
Remote operation and visualization

There are many situations where several sites have to be managed collectively. Typical examples include:

- Monitoring the cooling temperature in a group of supermarkets or warehouses
- Detecting fan failures
- Monitoring the temperature and humidity in a group of greenhouses

It is now possible to combine all these monitoring activities centrally at any location over the intranet. This saves personnel, time and costs – and Internet or intranet accesses are today ubiquitous. Commissioning is easier than ever because physically remote sites can be identically configured.

The solution:



Electrical Installation from A to Z

Practical tip No. 6

The benefit for you:

- Plant and sites can be visualized, controlled, and monitored from a physically remote location using the existing network
- Commissioning is easy because sites can be identically configured if required

*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.

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 each N148/21 IP interface (possibly drawn from the KNX / EIB power supply)
- IPAS ComBridge Studio visualization software
- 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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