

GAMMA practical tips

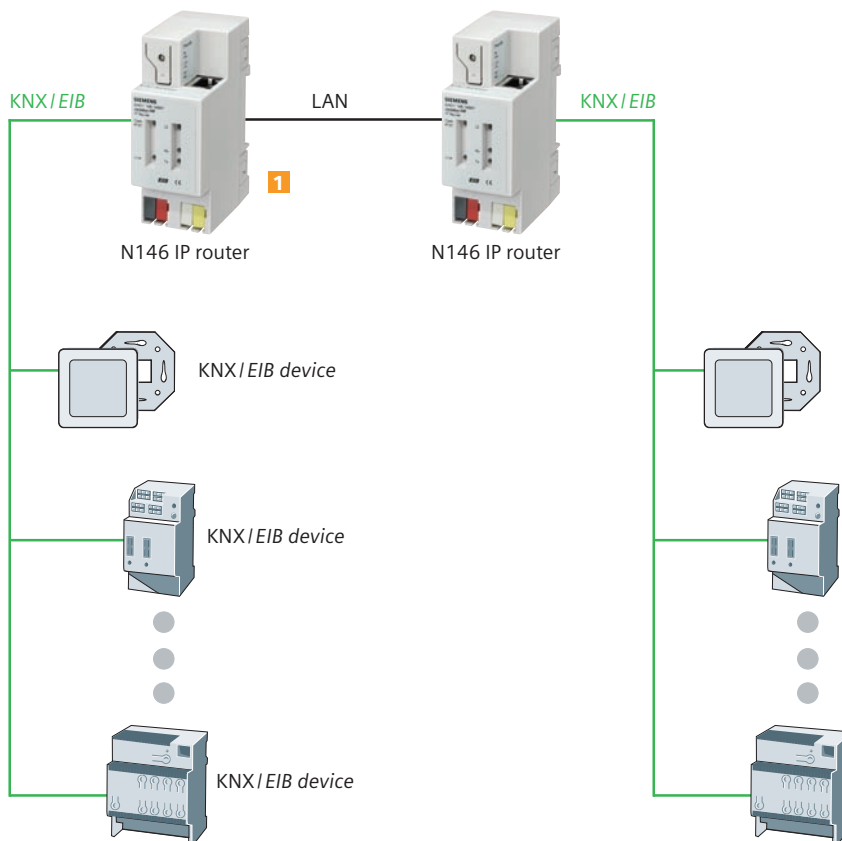
Main and backbone lines connected over the LAN/IP

The data load on main and backbone lines is normally no problem for GAMMA *instabus*. If visualization systems in large-scale projects need to cyclically scan a large number of data points, however, critical situations can never be entirely ruled out.

By using the LAN* for your main and backbone lines, data volume is no longer an object. KNX/EIB and LAN make a perfect team.

Bridging long transmission distances by connecting several buildings or sites together over a LAN is today an easy matter.

The solution:



Electrical Installation from A to Z

Practical tip No. 3

The benefit for you:

- LAN used for the main and backbone lines
- Data transmission over long distances
- Any data volume can be handled

*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.


What to do:

- Connect an N146 IP router to each KNX / EIB line (instead of an N140/03 line coupler)
- Connect the IP interfaces over the LAN
- Either assign an IP address to each IP router from its line in ETS3.0c (KNX / EIB commissioning software) and then parameterize it (in the same way as a line coupler) or ask your network administrator to assign an IP address automatically
- Download filter tables etc. – that's all!

What you need:

- N146 IP routers (1x per line)
- 24 V power supply for N146 IP routers (possibly drawn from the KNX / EIB power supply)
- Ethernet patch cable or LAN, depending on the size
- ETS3.0c

Ordering data

Product	Order No.
 N146 IP router	5WG1 146-1AB01

Siemens AG
Automation and Drives
Electrical Installation Technology
P.O. Box 10 09 53
93009 REGENSBURG
GERMANY

www.siemens.com/gamma

© Siemens AG 2005
Date 11/2005

Subject to change without prior notice

All product designations may be trademarks or product names of Siemens AG or supplier companies whose use by third parties for their own purposes could violate the rights of the owners.

The information provided in this practical tip contains merely general descriptions or characteristics of performance which in case of actual use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract.