BAB
TECHNOLOGIE

LINKMODULE

SECURELY WELL CONNECTED

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The **LINK**MODULE enables the secure connection of remote KNX or EnOcean systems via the network or the internet on a straightforward basis. To ensure the secure transfer of data, the BAB **SECURE**LINK (a special VPN connection) is created between the communication partners which can then be used as the basis for linking the systems. The BAB **SECURE**LINK connection is established in a few steps and without the need to set up complex VPN connection parameters. Additionally, not only is the BAB **SECURE**LINK connection possible with other **LINK**MODULEs, it is also supported by EIB**PORT** and **FACILITY**MASTER. For the transmission of telegrams, the BAB systems-linking protocol is used, which offers straightforward help in the event of overlapping group addresses via address mapping. The **LINK**MODULE is available with a KNX/TP interface and an EnOcean wireless antenna. In combination with the integrated KNXnet/IP server, the device also serves the purpose of KNXnet/IP router, interface for the KNX setup software ETS, or gateway between EnOcean and KNXnet/IP.

TECHNOLOGY WHICH FASCINATES
ALL ADVANTAGES IN DETAIL

SIMPLE

Although the integrated BAB **SECURE**LINK connection is based on VPN technology, completing complex VPN connection settings is not necessary. The required connection data are determined automatically, so the activation of the connection is the only thing that needs to be done.

SECURE

BAB **SECURE**LINK is based on secure SSL VPN technology. The use of 4-figure key-lengths means the most advanced security requirements are satisfied. Once established, the connection is bug-proof.

VARIABLE

The device is available with a KNX/TP interface or an EnOcean wireless module. An KNX-IP router and the BAB systems connection unit are available in both versions.

CONNECTIVE

With the help of the BAB **SECURE**LINK and the BAB systems connection, the device can connect remote systems components to existing BAB devices in a matter of moments. All that is required is an effective network communication between the devices, e.g. via the internet. Overlapping group addresses are prevented through address mapping.

INDEPENDENT

As with all BAB devices, the configuration of the **LINK**MODULE is also web-based and free from licence costs. This means the configuration of random PC systems can be completed easily in the browser.
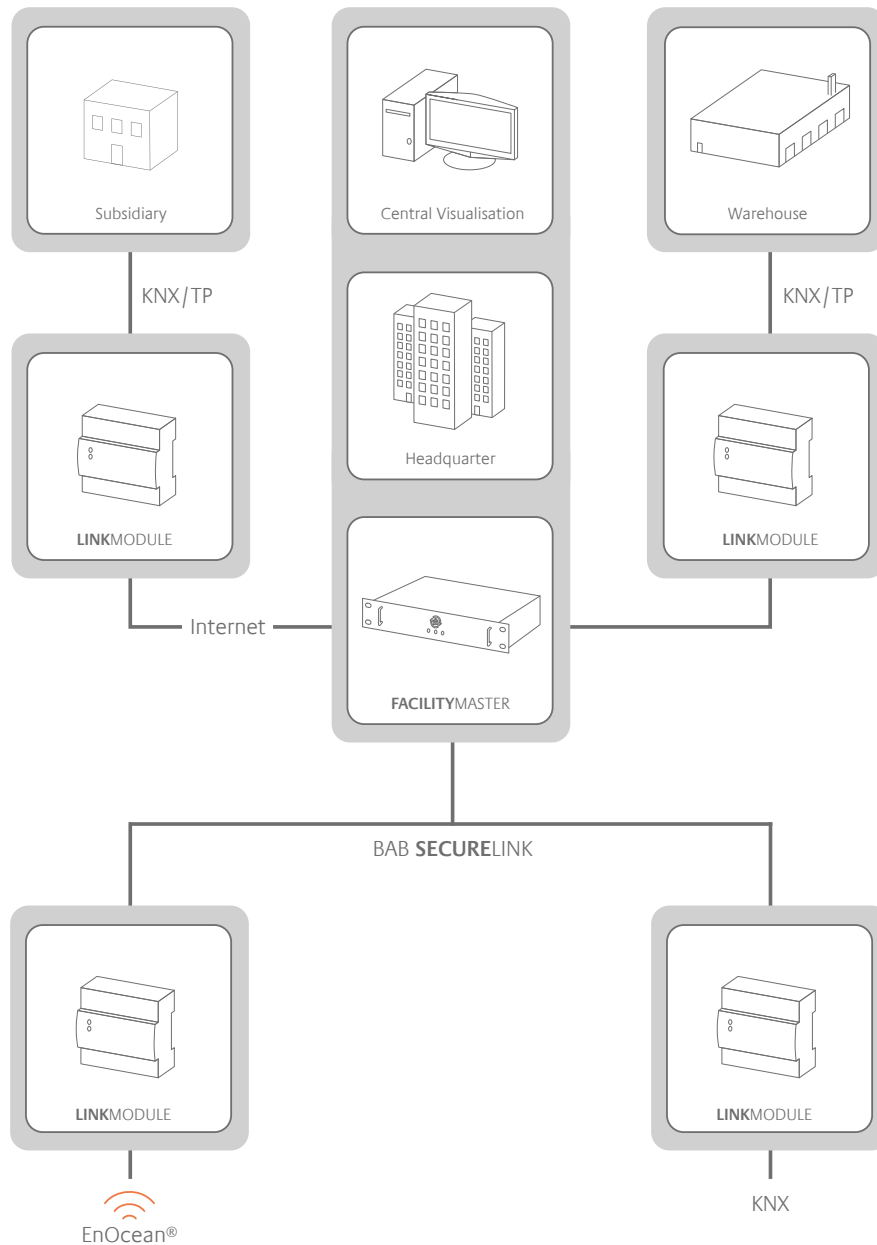
COMPREHENSIVE

Thanks to the integrated KNXnet/IP server, the device is also a full KNX-IP router at the same time. This results in a comprehensive range of use scenarios. The device operates as an interface for the KNX set-up software ETS, is able to connect remote EnOcean systems to KNX, and can function as a KNX/TP interface for the **FACILITY**MASTER or an on-site KNX-IP router with ease.

PRODUCT APPLICATION
THE **LINK**MODULE IN USE

LINKING PROPERTIES WITH **FACILITY**MASTER

Subsidiary	Central Visualisation	Warehouse
KNX / TP	Headquarter	KNX / TP
LINKMODULE		**LINK**MODULE
Internet	**FACILITY**MASTER	

BAB **SECURE**LINK

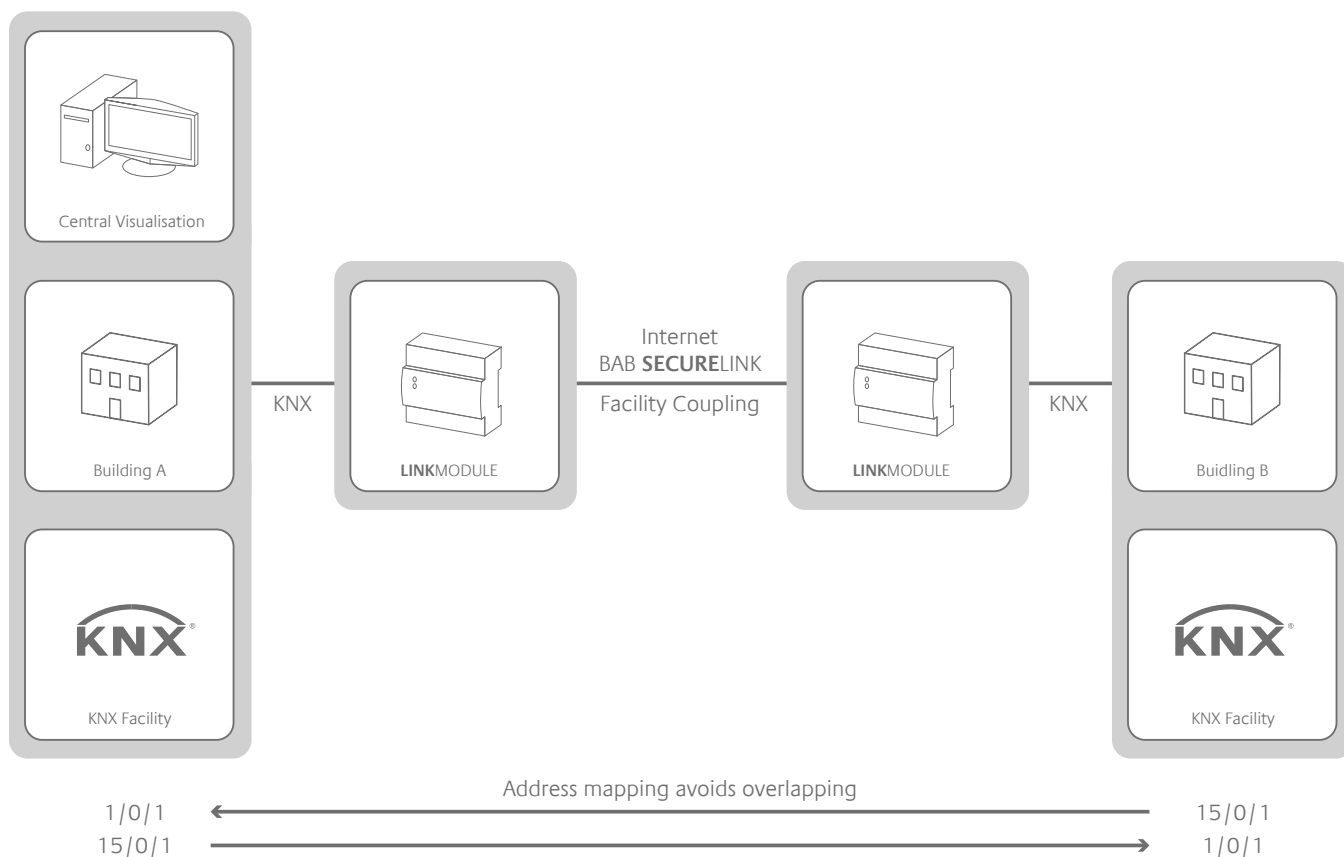|	
LINKMODULE	**LINK**MODULE
EnOcean®	KNX

The **FACILITY**MASTER, on which a central visualisation is operated, is installed in the administration centre. The facilities which do not require their own intelligence are connected to the administration centre via the internet with the help of the **LINK**MODULE and the BAB **SECURE**LINK connections. Thanks to the encryption, the data can be transferred securely via a public network.

PRODUKTANWENDUNG
DAS **LINK**MODULE IM EINSATZ

FACILITY COUPLING

		Internet BAB **SECURE**LINK		
Central Visualisation		Facility Coupling		
Building A	KNX	**LINK**MODULE	**LINK**MODULE	KNX	Buidling B
KNX Facility				KNX Facility

1/0/1 ← Address mapping avoids overlapping — 15/0/1
15/0/1 → 1/0/1

A remote system with potential overlapping addresses is to be connected to a larger system via the internet. The **LINK**MODULE systems connection means that the overlaps are avoided due to address mapping, and that the systems can be connected easily with the help of BAB **SECURE**LINK.

OVERVIEW
TECHNICAL DATA

- Operating voltage: 12 – 32 V DC
- Typical power input 300 mA at 12 V DC
- Power input: ≤ 5 W
- Connection: Power supply via screw type terminal
- Weatherproof: EN 50090-2-2
- Ambient temperature: – 5 to + 35 °C
- Relative humidity (non-condensing): 5 % to 80 %

Mechanical data:
- Installation: MDRC 4 MW
- Dimensions (W x H x D) in mm: 70 x 90 x 63
- Casing: Plastic
- Protection class: IP20 (according to EN 60529)

Interfaces:
- Ethernet via RJ45 socket
- KNX®: twisted pair via terminal (1.5 mm ≤)
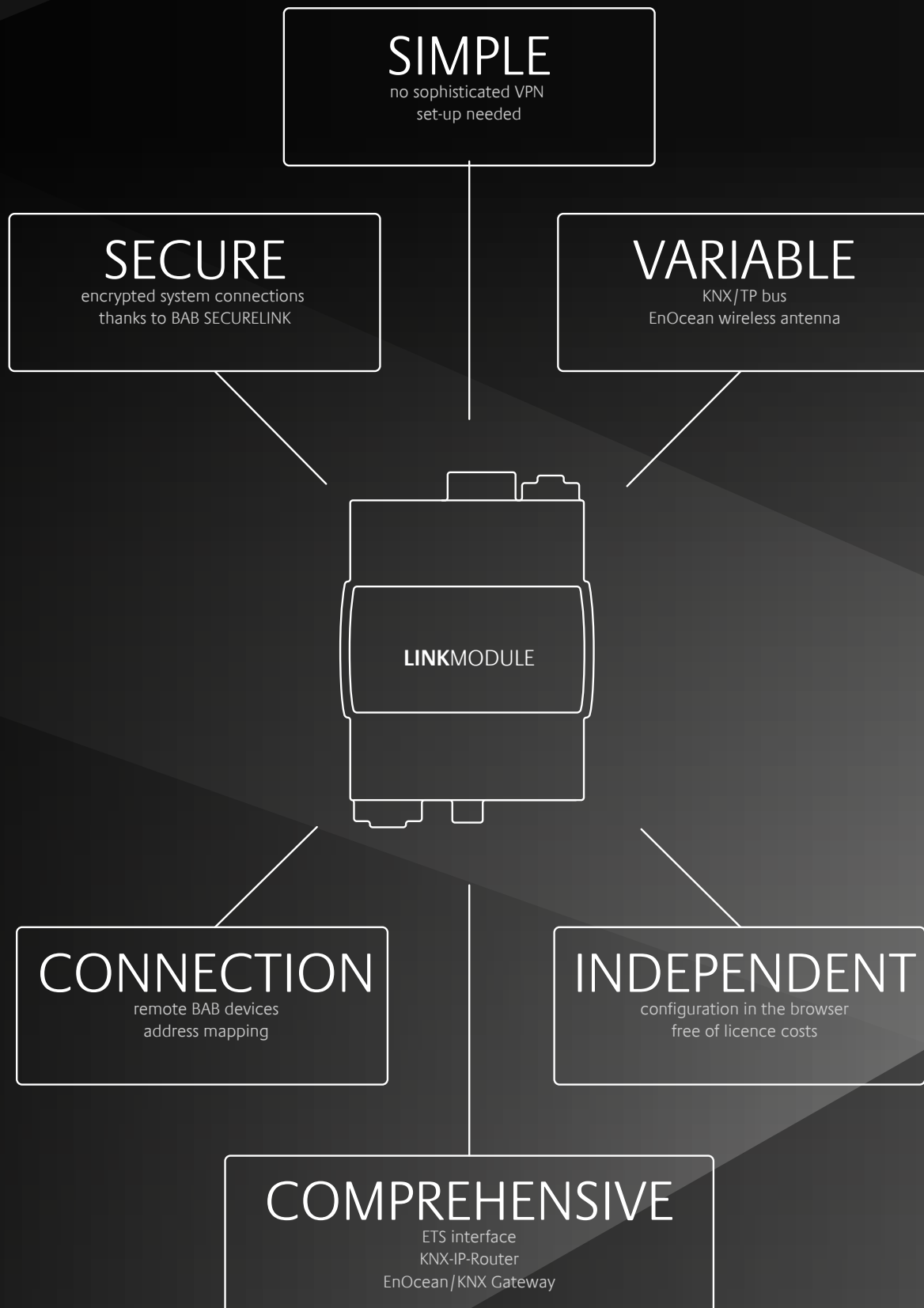- EnOcean®: external SMA antenna

Highlights:
- BAB **SECURE**LINK
- BAB facility coupling with address mapping

Software requirements:
- Operating system: any
- Communication: Network interface
- modern browsers

| Art. No. 10551 | **LINK**MODULE KNX / TP | |
| Art. No. 13551 | **LINK**MODULE EnOcean | |

SIMPLE
no sophisticated VPN
set-up needed

SECURE
encrypted system connections
thanks to BAB SECURELINK

VARIABLE
KNX/TP bus
EnOcean wireless antenna

LINKMODULE

CONNECTION
remote BAB devices
address mapping

INDEPENDENT
configuration in the browser
free of licence costs

COMPREHENSIVE
ETS interface
KNX-IP-Router
EnOcean/KNX Gateway

everywhere at home