BAB
TECHNOLOGIE

EIB**PORT** V3

AUTOMATE. VISUALISE. CONTROL.

EIB**PORT** VERSION 3
AUTOMATE. VISUALISE. CONTROL.

BAB TECHNOLOGIE

Now with
Plug & Play VPN
by HOOC

The EIB**PORT** connects KNX or EnOcean building control with the IP world.

Create your individual visualisations in the editor with CONTROL **L**, almost automatically with CUBEVISION 2, or combine both visualisation types for an even more comfortable control. The visualisations have been extended by a camera archive, the long-term data recording for up to three years and the door communication. Whether simple or complex - use over 50 integrated services for almost all automation tasks in building automation.

Program your own control sequences with the graphical **LOGIK**EDITOR or integrate third-party applications such as Amazon® Alexa. In addition to a simulation mode, search and documentation functions, the **LOGIK**EDITOR also offers the option of loading and exporting logic groups. Via the integrated web platform logikeditor.de, you can load additional ready-made logic groups for many application areas free of charge.

Via a secure connection you can also control and maintain the EIB**PORT** remotely - thanks to the integrated VPN Servers or optionally with the HOOC Plug & Play VPN. The EIB**PORT** also functions as an IP router in the KNX installation and as a programming interface to the ETS.

FASCINATING TECHNOLOGY
ALL ADVANTAGES IN DETAIL

FLEXIBLE AND LICENSE FREE.

Thanks to the browser-based and license-free visualisation, almost any device can be used to control your building automation. Whether Smartphone, Tablet, Touch Panel PC or new Amazon® Alexa: With more than 50 integrated services and its powerful hardware, the EIB**PORT** is ideally suited for private homes as well as for medium-sized commercial buildings. Whether complex projects with individual visualisations or the elegant CUBEVISION 2 visualisation for the intelligent home - the flexible architecture of the EIB**PORT** makes it a universal, future-proof tool.

COMPLEX TASKS, SAFELY SOLVED.

With CONTROL L you can create visualisations which are fully adapted to the wishes of your customers. Even the most complex customer requirements can be met with the help of given style sheets and individual control elements. Thanks to a live preview, you can simulate the visualisation without interrupting the running system operation. With the graphical **LOGIK**EDITOR, our EIB**PORT** is well equipped for the most demanding automation tasks. The user-friendly interface, intelligent tools and the simulation mode including time scaling allow you to create and test logic groups for their function before you activate them.

AT HOME EVERYWHERE? FOR SURE!

The integrated VPN server offers highest security for remote access. Via GSM or the new LTE interface, you can reach your home even if there is no internet connection available. As a rail-mounted device, the EIB**PORT** is placed tamper-proof in the sub-distribution.

INTEGRATION GENIUS.

The EIB**PORT** does not only offer automation functions. By using universal network interfaces like UDP, REST-API and HTTP-Request, the integration of many third party applications is a simple matter. A standard 1-Wire and S0 interface also extend the portfolio with inexpensive sensor technology. Voice control with Amazon® Alexa is supported as well as the connection to Internet services such as IFTTT.

INDEPENDENT. SYSTEM AND FUTURE-ORIENTED.

Whether touch panel PC, smartphone or tablet. The EIB**PORT** offers a consistent visualisation on almost all end devices. No additional license costs or data point limitation. With its flexible architecture, the EIB**PORT** ensures that new functions will be available to you in the future via free updates.

BETTER SAFE THAN SORRY.

The EIB**PORT** offers a maximum of security and maintainability. In addition to current encryption technologies, it is equipped with its own «Team Viewer». If remote access is desired by the user, it is activated by simply pressing one single button. Complicated configuration changes to the router are no longer necessary. Using an encrypted connection, you can even program the KNX installation and the EIB**PORT** by yourself from any location. New: With the aid of the integrated recovery environment the device can now easily be reset to the delivery state.

VISUALISE.
YOUR PROPERTY PERFECTLY STAGED.

Individual building visualisation with CONTROL L

With CONTROL **L** the EIB**PORT** offers a most versatile, platform independent visualisation for tablets, touch panel PCs & Co. Use our provided templates or design your visualisation completely individual. The comfortable CONTROL **L** editor offers besides the unique live mode a multitude of ready-made visualiation elements like buttons, sliders, popup windows and RTR components. Create top visualisations at breathtaking speed with style sheets, master pages and integrated ESF data import.

CUBEVISION 2

With CUBEVISION 2 the EIB**PORT** additionally provides a unique, 3D-animated visualisation, which is created automatically from the configuration data. CUBEVION 2 automatically scales to the respective display, so that the same visualisation can be used from the Smartphone to the desktop system. With the «Smart Function Creator» you can create your own scenes directly in CUBEVISION 2, In addition, CUBEVISION 2 can be integrated into CONTROL **L** to combine the advantages of both applications.

AUTOMATE
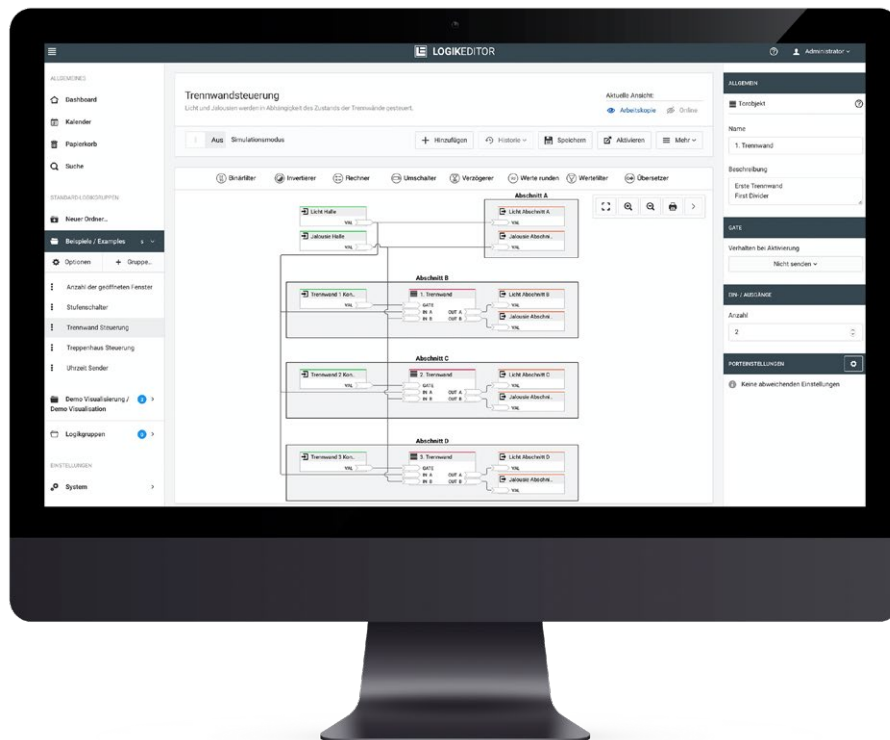# GRAPHICAL **LOGIK**EDITOR

With the graphical **LOGIK**EDITOR you can easily create even complex applications. With the search and documentation functions, you always have an overview. Thanks to the possibility of loading and exporting logic groups, you can reuse functions once created in different projects, saving time and costs. The platform «logikeditor.de» provides many ready-made logic groups for immediate use. Simulate complex scenarios before transferring them to the live system and use the intelligent log to display and restore previous states. Of course we have developed the **LOGIK**EDITOR web-based - so you remain independent of operating systems and end devices.

LOGIKEDITOR NETWORK INTEGRATION
LOGIKEDITOR NETWORK: the online collection with hundreds of sample logic groups is now directly available in EIB**PORT** V3. After logging in, the latest logic groups are displayed in the dashboard and are available for immediate import if desired. You can now learn more about a specific logic group with just one click. You can find the appropriate logic group within seconds using the integrated search function.

AUTOMATE & INTEGRATE
GRAPHICAL **LOGIK**EDITOR

These Logic Elements for automation are offered by graphical **LOGIK**EDITOR:

- Alexa Device
- Alexa Scene
- Astrotimer
- Binary Logic
- Data Converter
- Email Sender
- Static Value / Initial Value
- HTTP Request
- Calendar
- Camera Archive
- New: REST interface
- Lua Script
- Mathematics
- Collective Signal
- Threshold Value

- Statistics
- Scene
- Text Processor
- Logic Gate
- Transformator
- Staircase Timer
- Comparator
- Distributor
- Delayer
- Value Store
- Value Read
- Clock
- Weekly Timer
- Cyclic Sender

All Logic Elements can be graphically linked to each other.
With the help of so-called «tools», these connections can be modulated at lightning speed:

- Binary filter
- Inverter
- Calculator
- Toggle

- Round values
- Delayer
- Value Filter
- Translator

AUTOMATE & INTEGRATE
JOB EDITOR CLASSIC

The EIB**PORT** provides a whole range of jobs (automation functions) that can be easily edited via the form-based configuration mask.

These **automation** jobs are provided by the Job Editor Classic:

- Astro clock
- Date receiver & transmitter
- Time receiver & transmitter
- Text (EIS 15) Multiplexer
- Email dispatch
- Hysteresis
- Pulse counter (For KNX and S0)
- Integrator
- Week clock
- Year clock
- Lighting scene
- Logic (AND, OR, XOR, object, NAND, NOR, NXOR, NObject)

- Mathematics
- Room temperature controller
- Threshold value
- SMS sender
- SMS receiver (for devices with GSM or LTE module)
- Status reporters
- Staircase automation
- Comparator
- Delayer
- Wake-on-LAN
- Cyclic transmitter
- Counter

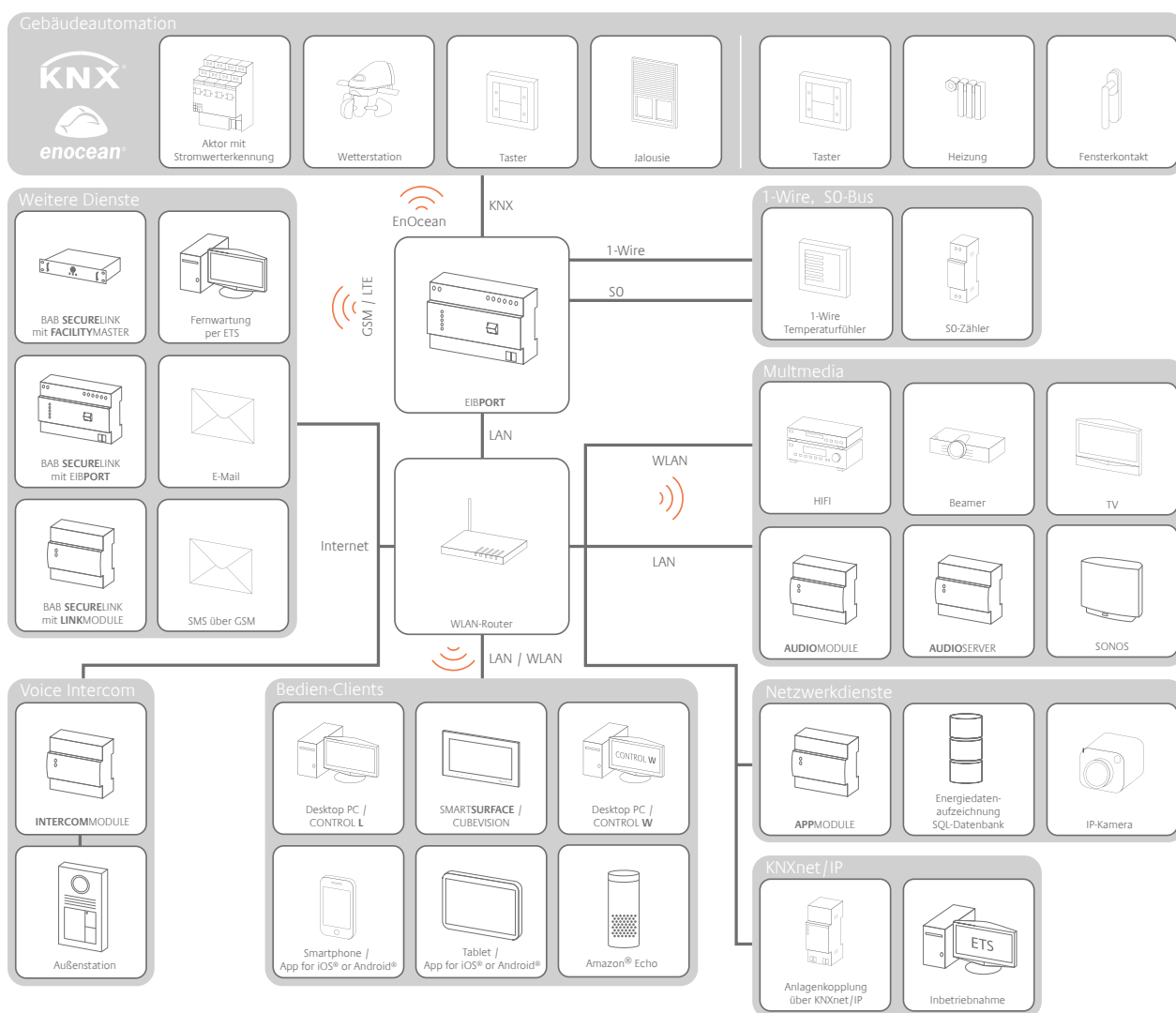These jobs for **integration** are provided by the Job Editor Classic / the system:

- 1-Wire (compatibility with many sensors)
- 4 x S0 interface for direct meter connection
- Optional integration of EnOcean
- Option. GSM interface for control via SMS
- New: Optional LTE interface for using EIB**PORT** via mobile data
- Facility coupling to other devices such as **FACILITY**MASTER or **LINK**MODULE
- ekey integration of Home & Multi product range
- Connection of infrared capable devices with help of IR-Trans

- HTTP request with response evaluation
- KNX integration of **AUDIO**MODULEs
- Integration of UDP-based applications with UDP sender & receiver
- Sonos Radio Control
- MySQL database logging possible (additional software for evaluation via freeware DATA**WAREHOUSE** 2)
- Integrated KNXnet/IP server for the coupling and interface functionality

INTEGRATE
CONNECT SYSTEMS SEAMLESSLY

By using the EIB**PORT**, the KNX / EnOcean automation is extended many times over. The connection to the IP network enables numerous other applications. Additionally, the available connection options for 1-Wire and S0 products allow the integration of a variety of cost-effective components.

Arbitrary operating units, such as smartphones, tablet PCs and even Amazon® Alexa, can access and control the system participants across systems. Network cameras from various manufacturers provide insight into what is happening on site. Multimedia systems can be flexibly integrated with the graphical **LOGIK**EDITOR or the Job Editor Classic.

With the help of BAB **SECURE**LINK, buildings can be securely linked via the Intranet or Internet and integrated into a central property management system. On request, an e-mail or SMS is sent in case of relevant events. New: The optionally available LTE interface enables uncomplicated WAN access via the mobile network. The HOOC Plug & Play VPN enables secure and completely uncomplicated remote access as well as remote programming via ETS.

With the help of virtual group addresses (a definable KNX address range, which is only processed within the EIB**PORT**), services can be linked with each other as desired.

GUARANTEE SAFETY
MEASURES AT A GLANCE

The EIB**PORT** offers a maximum of security. Current encryption technologies, secure access and recovery functions for the device are integrated as standard. An extensive user administration offers selective access for authorized users only.

- HTTPS access
- Encrypted user authentication
- Integrated VPN server
- BAB **SECURE**LINK

- New: Recovery function
- New: Secure remote access & remote programming via ETS with the HOOC Plug & Play VPN

TECHNICAL DATA

- Power supply: 12–30 V DC
- Power consumption: <= 5 VA
- Operating System: Embedded Linux
- X86 600 MHz CPU, 256 MB RAM, 8 GB Flash
- Climate resistant: EN 50090-2-2
- Ambient temperature: 0 to 40 °C
- Relative humidity (non-condensing): 5% to 80%

  Mechanical data:
- Mounting: MDRC 8 MW
- Dimensions (W x H x D) in mm: 144 x 90 x 64.5
- Housing: Plastic
- Weight: approx. 0.4 kg
- Protection class: IP20 (according to EN 60529)

Interfaces (depending on variant):
- External additional memory with **SD**MODULE (SD card via USB)
- KNX via Bus Terminal (Twisted Pair)
- Ethernet via RJ45 socket
- 1-Wire via USB
- 4 S0 interfaces
- EnOcean via external SMA antenna
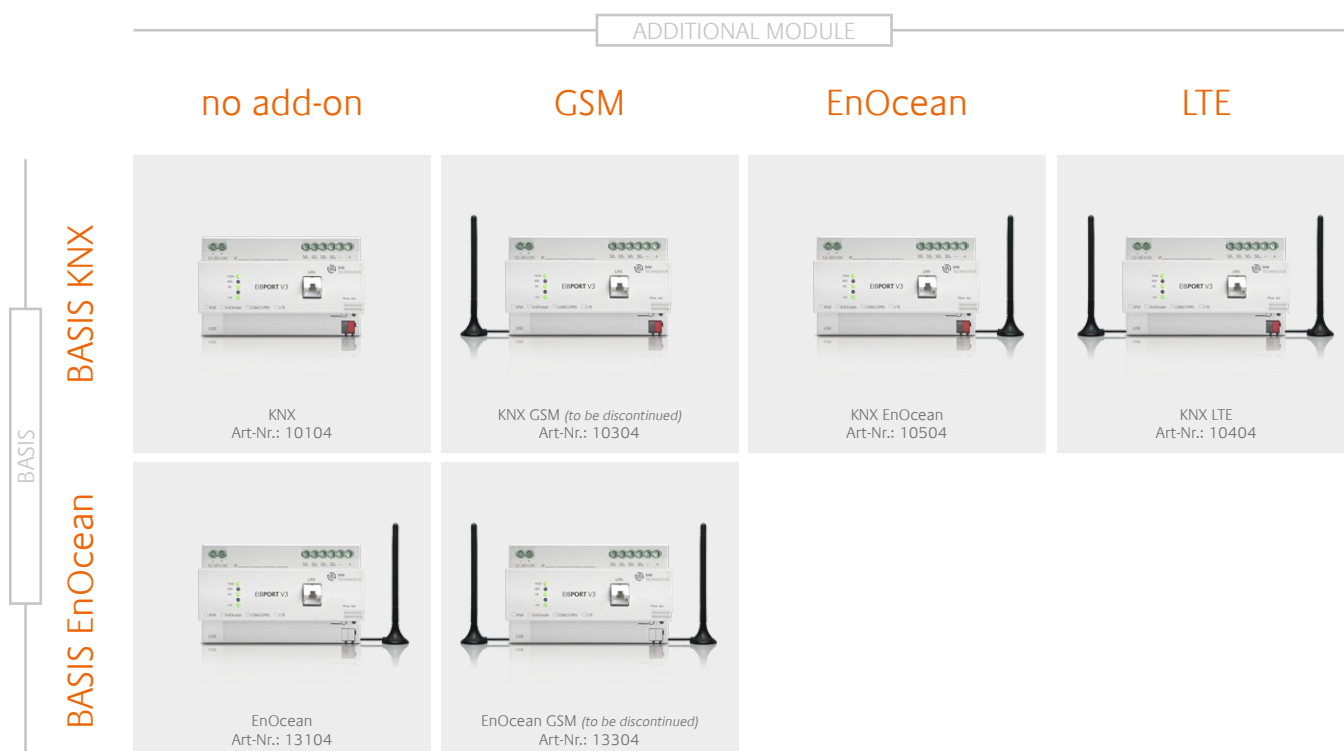- LTE via two external antennas
- GSM™ via external SMA antenna

TEST THE EIB**PORT** LIVE

Use our new virtual EIB**PORT**. Make yourself familiar with the **LOGIK**EDITOR, CUBEVISION, CONTROL **L,** as well as the visualisation editor and be fascinated by many other technologies.
Register now on bab-tec.de/live

GOOD CONNECTIONS
LAN, S0, GSM, LTE, 1-WIRE

ADDITIONAL MODULE

	no add-on	GSM	EnOcean	LTE
BASIS KNX	KNX Art-Nr.: 10104	KNX GSM *(to be discontinued)* Art-Nr.: 10304	KNX EnOcean Art-Nr.: 10504	KNX LTE Art-Nr.: 10404
BASIS EnOcean	EnOcean Art-Nr.: 13104	EnOcean GSM *(to be discontinued)* Art-Nr.: 13304		

Optional GSM™ *to be discontinued*

With the GSM™ module, your building automation can also be reached where no Internet connection is available. By sending and receiving SMS, basic functions are carried out independently.

1-Wire interface

The USB connection of the EIB**PORT**, in conjunction with the 1-Wire USB adapter, allows access to the inexpensive sensors of the 1-Wire range.

S0 interface

The EIB**PORT** has four S0 inputs as standard for recording consumption data. S0 meters (e.g. for electricity, gas or water) can be connected to the inputs.

Powernet KNX

On request, the EIB**PORT** is also available with Powernet KNX instead of KNX/TP interface. The device receives a Powernet network coupler which replaces the KNX/TP module.

New: LTE

Via the optionally available 4-band modem you connect to the EIB**PORT** independently of an existing network. Use this flexible variant for complete parameterisation, analysis and ETS programming from any location. This way, users can access their visualisation safely and conveniently.

EIB**PORT** VERSION 3
POSSIBLE COMBINATIONS

EIB**PORT** KNX

- KNX/TP connection via Bus Terminal
- Management of all 65532 KNX group addresses
- Definable virtual address range
- Address transfer from the ETS
- DIN rail housing of 8 units

Art. no. 10104

EIB**PORT** EnOcean

- EnOcean via external SMA antenna
- Range 300 m free field / 30 m building (depending on building material)
- Input objects: any number
- Output objects: 128
- Many preset EnOcean profiles
- Can be used as repeater

- STM 300 Transceiver Module
- External antenna: 2.50 m cable, magnetic base and SMA connector
- DIN rail housing of 8 units

Art. no. 13104

EIB**PORT** KNX EnOcean

- KNX/TP connection via Bus Terminal
- Management of all 65532 KNX group addresses
- Definable virtual address range
- Address transfer from the ETS
- EnOcean via external SMA antenna
- Range 300 m free field / 30 m building (depending on building material)
- Input objects: any number

- Output objects: 128
- Many preset EnOcean profiles
- Can be used as repeater
- STM 300 Transceiver Module
- External antenna: 2.50 m cable, magnetic base and SMA connector
- DIN rail housing of 8 units

Art. no. 10504

EIB**PORT** VERSION 3
POSSIBLE COMBINATIONS

EIB**PORT** KNX + GSM™

- KNX/TP connection via Bus Terminal
- Management of all 65532 KNX group addresses
- Definable virtual address range
- Address transfer from the ETS
- 4-band modem
- Send and receive SMS directly
- External antenna: 2.50 m cable, magnetic base and SMA connector
- DIN rail housing of 8 units

Art. no. 10304	*to be discontinued*	

EIB**PORT** EnOcean + GSM™

- EnOcean via external SMA antenna
- Range 300 m free field / 30 m building (depending on building material)
- Input objects: any number
- Output objects: 128
- Many preset EnOcean profiles
- Can be used as repeater
- STM 300 Transceiver Module
- 4-band modem
- Send and receive SMS directly
- 2 external antennas: 2.50 m cable, magnetic base and SMA connector
- KNXnet/IP server for access to KNX

Art. no. 13304	*to be discontinued*	

NEW: EIB**PORT** KNX LTE

- KNX/TP connection via Bus Terminal
- Management of all 65532 KNX group addresses
- Definable virtual address range
- Address transfer from the ETS
- 4-band modem
- Send and receive SMS directly
- WAN access via mobile radio
- 2 x external antenna: 2.50 m cable, magnetic base and SMA connector
- DIN rail housing of 8 units

Art. no. 10404		

KNX

enocean

«For more than 15 years, the EIB**PORT** has been offering the latest technologies for modern building visualisation and automation - and will continue to do so in the years to come. Tomorrow awaits.»

BAB
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KNX

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