



BAB  
TECHNOLOGIE



# EIBPORT VERSION 3

AUTOMATE. VISUALISE. CONTROL.

# FLEXIBLE

Web app technology  
For private homes and commercial use KNX®,  
Powernet, EnOcean®, GSM®, SO, 1-Wire

# FAST

Intuitive editor  
Pre-configured libraries  
Automatic menu creation

# CALCULABLE

Simple configuration  
Fast putting into operation  
Guided work flow



# ECONOMICAL

Low power input  
Multibus technology  
Numerous integrated services

# MULTIMEDIA

Integration of multimedia controllers  
Connection possible using infrared and RS-232  
Control of Sonos® players and **AUDIOMODULE**

# INDEPENDENT

Free selection of control units  
Operating system-agnostic  
Uniform visualisation on all devices

# FASCINATING TECHNOLOGY

## ALL ADVANTAGES IN DETAIL

### FLEXIBLE

Thanks to browser-based visualization free of licence costs, virtually all devices for controlling building automation can be used. Whether a smartphone, a tablet or a touch-panel PC: with almost 40 integrated services and its high-performance hardware, the **EIBPORT** is perfectly suitable for both your own home and medium-sized commercial buildings. Whether for highly complex projects with building cross-sections or the elegant CUBEVISION visualisation for a smart home: the flexible **EIBPORT** architecture makes it a tool which can be used universally and holds potential for the future.

### FAST

Using the intuitive configuration interface and the innovative CUBEVISION visualization (patent application pending), you can create impressive user interfaces within the shortest of periods. Changes and additions can be implemented rapidly.

### CALCULABLE

The uncomplicated configuration makes projects easy to plan and realise. Therefore, projects can be completed on-time and on-budget. Offer your customers a consistent interface design with CUBEVISION and the new CUBEVISION MOBILE based on Web app technology.

### ECONOMICAL

With only a mere 5 watts' power consumption, the **EIBPORT** makes it possible to achieve large savings potential. Its intelligent technology enables considerable reduction of excess power requirements.

### MULTIMEDIA

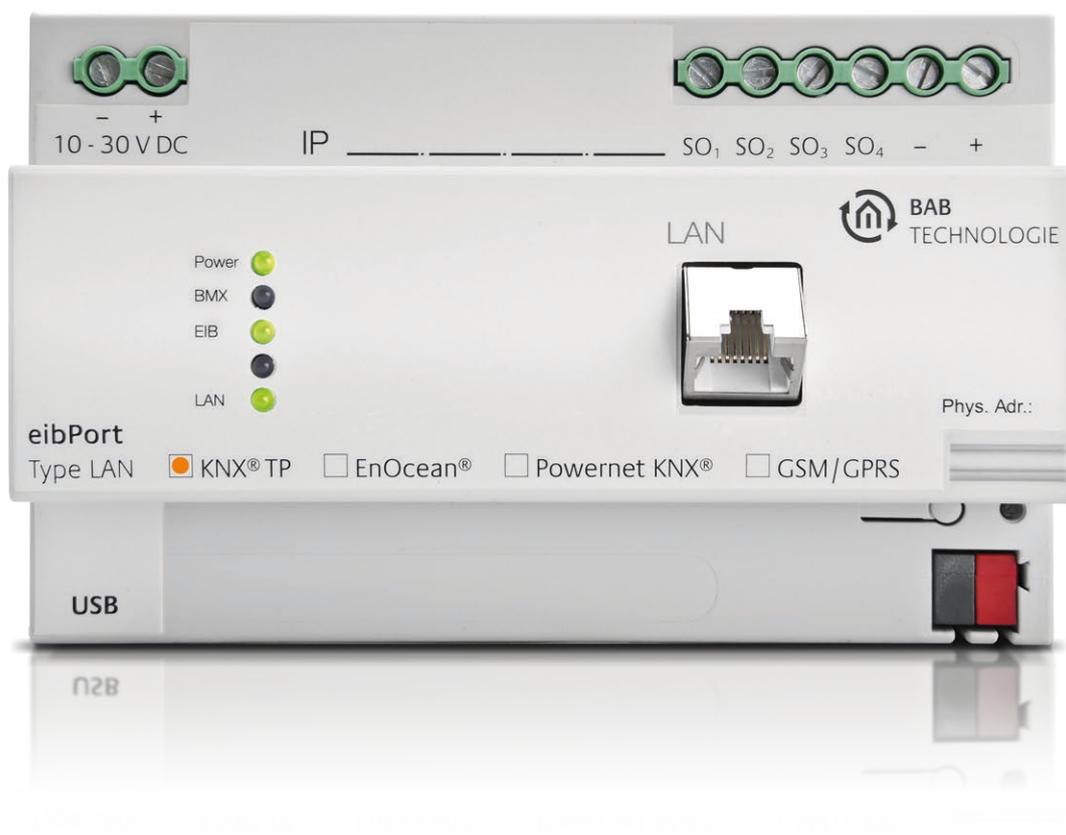
The **EIBPORT** offers more than automation functions. The network connection and corresponding protocol implementation mean that the integration of multimedia control is no problem. Irrespective of whether Sonos® control, controlling the **AUDIOMODULE**, connection using RS-232 or infrared, **EIBPORT** offers a fitting solution for all scenarios.

### INDEPENDENT

By waiving licence fees and using the latest browser technology (HTML 5, Ajax, CSS 3), you have independence when selecting the control units. No matter whether your customer uses a smartphone with Android® or iOS®, a touch-panel PC or a tablet – the **EIBPORT** offers uniform visualisation.

# EIBPORT VERSION 3

## AUTOMATE. VISUALISE. CONTROL.



The **EIBPORT** connects the building control unit with the Ethernet network and home entertainment. It provides seven different communication interfaces which can be combined differently. The device is both a visualisation gateway and an automation gateway. With CUBEVISION (patent application pending) and CUBEVISION MOBILE, which is based on Web app technology, one of the most innovative visualisations is available, regardless of device and free of licence costs. Almost 40 integrated services make additional control modules superfluous and enable planning with no costs involved. Numerous configuration aids help to set up the system fast. As a top hat rail device, the **EIBPORT** has a tamper-proof housing. With less than 5 watts, the power consumption is extremely low.

# BASIC FUNCTIONS AS AN OVERVIEW

## Integrated visualisation:

- Java visualisation, CONTROL L (Ajax), CUBEVISION, CUBEVISION MOBILE, CONTROL S
- Visualisation editor based on graphics editing programs
- Gesture control
- Dialogue pages
- Encoded user authentication
- Integration of IP network cameras
- Connection to NTP servers
- RSS feeds
- VPN servers
- ETS address adoption
- Bus monitor and data recording
- Address status table
- No data point limitation
- Saving of 500,000 telegrams
- Multi-user visualisation (no license costs)

## Integrated services:

- Web server
- Weekly and annual time switches, special day switch
- Simple and complex astro time switches
- Staircase function, delayer
- Logics, light scenes
- Comparators, threshold switches, hysteresis, multiplexers
- Time and date fields
- e-mail, SMS via e-mail

- SMS transmission and receipt (GSM module)
- Processing of error messages
- Infrared connection via UDP
- RS 232 connection via UDP
- UDP receiver
- UDP transmitter
- Cyclic transmitter
- ekey® connection
- DALI® monitor
- Multimedia connection, UPnP, xPL
- Logging in SQL databases
- ETS remote programming
- KNXnet/IP server
- Room temperature control
- Camera archive
- HTTP request with response evaluation using regular expressions
- Mathematics module, integrator
- Meter, pulse counter
- Wake on LAN
- Systems coupling
- 1-Wire sensor recognition

## Other software:

- DATAWAREHOUSE 2 for data and consumption analysis
- Control via allocation plan (CONTROL R)
- Control via widget (CONTROL W)

# OVERVIEW TECHNICAL DATA

- Power supply: 12–30 V DC
- Power input: ≤ 5 VA
- Bus voltage: via the KNX®
- Operating system: Embedded Linux
- X86 600 MHz CPU, 256 MB RAM, 4 GB flash
- Environmental conditions: EN 50090-2-2
- Ambient temperature: 0 to 40°C
- Storage temperature: –20 to + 70°C
- Relative humidity (non-condensing): 5% to 80%

## Mechanical data:

- Installation: MDRC 8 MW
- Dimensions (W x H x D) in mm: 144 x 90 x 64.5
- Housing: plastic

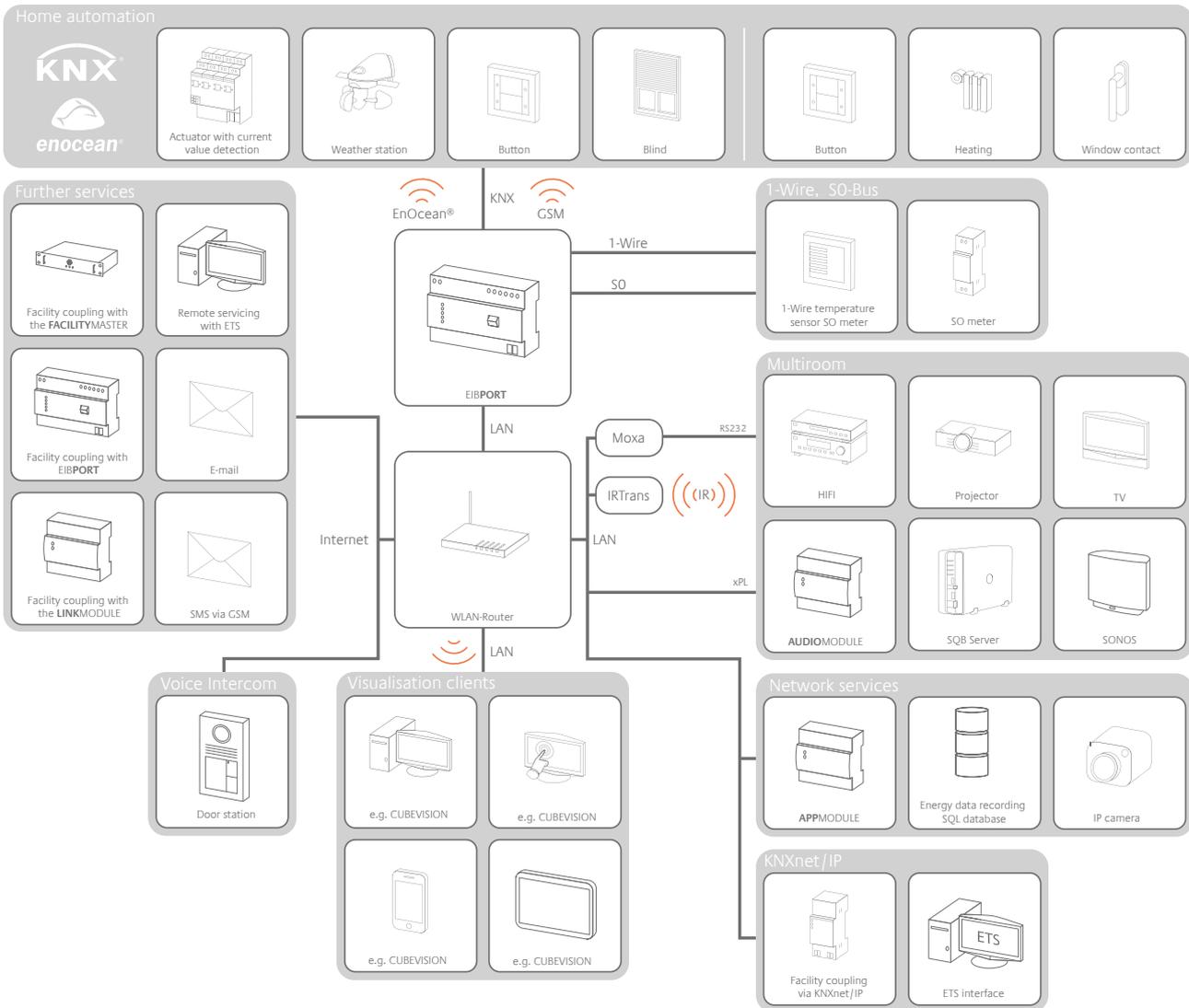
- Weight: approx. 0.4 kg
- Protection class: IP20 (according to EN 60529)

## Interfaces (model-dependent):

- KNX® via bus terminal (twisted pair)
- Ethernet via RJ45 socket
- 1-Wire via USB
- 4 SO interfaces
- EnOcean® via external SMA antenna
- GSM® via external GSM® antenna
- Powernet KNX® via pluggable screw terminal

# GOOD CONNECTIONS

## LAN, KNX<sup>®</sup>, ENOCEAN<sup>®</sup>, POWERNET



The use of the EIBPORT extends the KNX<sup>®</sup>/EnOcean<sup>®</sup> automation comprehensively. The connection to the Ethernet network makes numerous further applications possible. IR-Trans makes it possible to incorporate any consumer-electronics device for building control. For example, when the conference room is darkened, the projector is automatically switched on. For even more comfortable multiroom functionality, Sonos<sup>®</sup> components or the brand new **AUDIOMODULE** can now be operated via the KNX<sup>®</sup>/EnOcean<sup>®</sup> button. The KNX<sup>®</sup> bus energy data analysis can be transferred via the Ethernet to high-volume storage for energy data analysis and then be evaluated. Any operator clients such as smartphones and tablet PCs can access the KNX<sup>®</sup>/EnOcean<sup>®</sup> participants and control them. CUBEVISION (patent application pending) allows uniform, consistent operation on the respective interface. If desired, an e-mail or an SMS is sent in the event of a failure. The network camera provides an insight into what is happening on-site. It is cheap to put into service and fast support is possible via the Internet with remote servicing. With the help of the intranet or Internet, it is also possible to couple several buildings and integrate them into a central “facility management”.

# PRODUCT VARIANTS

## 8 COMBINATIONS OF THE EIBPORT

|         |           | VERSIONS                                                                                                                      |                                                                                                                              |                                                                                                                                     |
|---------|-----------|-------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
|         |           | KNX® TP                                                                                                                       | EnOcean®                                                                                                                     | Powernet KNX®                                                                                                                       |
| MODULES | Basic LAN |  <p>LAN KNX<br/>Art-Nr.: 10104</p>           |  <p>LAN EnOcean<br/>Art-Nr.: 13104</p>      |  <p>LAN Powernet<br/>Art-Nr.: 11104</p>           |
|         | GSM®      |  <p>LAN KNX+GSM<br/>Art-Nr.: 10304</p>      |  <p>LAN EnOcean+GSM<br/>Art-Nr.: 13304</p> |  <p>LAN Powernet+GSM<br/>Art-Nr.: 11304</p>      |
|         | EnOcean®  |  <p>LAN KNX+EnOcean<br/>Art-Nr.: 10504</p> |                                                                                                                              |  <p>LAN Powernet+EnOcean<br/>Art-Nr.: 11504</p> |

### Optional GSM®:

The GSM® module also makes your building automation contactable where no Internet connection is available. Alternatively, the GSM® module can also serve as a fallback solution (in cooperation with mdex) if the Internet (for example via DSL) should fail sometime. Naturally it is also suitable for sending or receiving SMSes.

### 1-Wire:

The EIBPORT USB connection can be used together with the 1-wire USB adapter to access the good-value sensor technology of the 1-wire range.

### S0 interface:

The EIBPORT series version has four S0 inputs for consumption data recording. S0 meters (e.g. for electricity, gas or water) can be connected to the inputs.

# EIBPORT VERSION 3

## POSSIBLE COMBINATIONS

### EIBPORT LAN KNX® TP



- KNX® TP connection via KNX® via bus terminal
- Administration of all 32766 KNX® group addresses
- Virtual group addresses
- ETS address adoption
- MDRC 8 MW

Article no. 10104

### EIBPORT LAN EnOcean®



- EnOcean® via an external SMA antenna
- Free field range 300m / Building 30m (depending on construction materials)
- Input properties: any number
- Output properties: 128
- Several preset EnOcean® profiles
- Can be used as a repeater
- Latest STM 300 transceiver module
- External antenna: 2.50 m cable, magnetic base and SMA plug
- MDRC 8 MW

Article no. 13104

### EIBPORT LAN Powernet KNX®



- Powernet KNX® connection via pluggable screw terminal on the network coupler
- Administration of all 32766 KNX®-group addresses
- Virtual group addresses
- ETS address adoption
- MDRC 9.5 MW

Article no. 11104

# EIBPORT VERSION 3

## POSSIBLE COMBINATIONS

### EIBPORT LAN KNX® TP + GSM®



- KNX® TP connection via bus terminal
- Administration of all 32766 KNX®-group addresses
- Virtual group addresses
- ETS address adoption
- 4-band modem
- Internet connection via GSM®
- Fallback
- Direct sending and receipt of SMS
- External antenna: 2.50 m cable, magnetic base and SMA plug
- MDRC 8 MW

Article no. 10304

### EIBPORT LAN EnOcean® + GSM®



- EnOcean via external SMA antenna
- Free field range 300 m / Building 30m (depending on construction materials)
- Input properties: any number
- Output properties: 128
- Several preset EnOcean® profiles
- Can be used as a repeater
- Latest STM 300 transceiver module
- 4-band modem
- Internet connection via GSM®
- Fallback
- Direct sending and receipt of SMS
- 2 external antennas: 2.50 m cable, magnetic base and SMA plug

Article no. 13304

### EIBPORT LAN Powernet KNX® + GSM®



- Powernet KNX® connection via pluggable screw terminal on the network coupler
- Administration of all 32766 KNX®-group addresses
- Virtual group addresses
- ETS address adoption
- 4-band modem
- Internet connection via GSM®
- Fallback
- Direct sending and receipt of SMS
- External antenna: 2.50 m cable, magnetic base and SMA plug
- MDRC 9.5 MW

Article no. 11304

# EIBPORT VERSION 3

## POSSIBLE COMBINATIONS

### EIBPORT LAN KNX® TP + EnOcean®



- KNX® TP connection via bus terminal
- Administration of all 32766 KNX®-group addresses
- Virtual group addresses
- ETS address adoption
- EnOcean® via external SMA antenna
- Free field range 300 m/Building 30m (depending on construction materials)
- Input properties: any number
- Output properties: 128
- Many preset EnOcean® profiles
- Can be used as a repeater
- Latest STM 300 transceiver module
- External antenna: 2.50 m cable, magnetic base and SMA plug
- MDRC 8 MW

Article no. 10504

### EIBPORT Powernet KNX® + EnOcean®



- Powernet KNX® connection via pluggable screw terminal on the network coupler
- Administration of all 32766 KNX®-group addresses
- Virtual group addresses
- ETS address adoption
- EnOcean® via external SMA antenna
- Free field range 300 m / Building 30m (depending on construction materials)
- Input properties: any number
- Output properties: 128
- Many preset EnOcean® profiles
- Can be used as a repeater
- Latest STM 300 transceiver module
- External antenna: 2.50 m cable, magnetic base and SMA plug
- MDRC 9.5 MW

Article no. 11504

CUBEVISION™

23.03.2013 15.2° C 10 25

Wohnzimmer

Deckenfluter

Ambient

SZN 1 SZN 2 SZN 3

AV Verbraucher 32 W

Heizung 21.0° 21.0° - +

mehr...



*everywhere at home*



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