

Basis for energy efficiency is the knowledge about the power consumption of the used devices. This information is provided by so-called “Energy-actuators” not just switching the consuming devices but also recording the information about actual energy consumption. These energy actuators are available by all KNX® manufacturers for a small additional charge (about 4 € / channel) In combination with special visualization elements within the eibPort the consumption data is provided to the customer directly and actually. For a long-term recording the eibPort provides a MySQL interface. So all telegram data of the installation can be stored for months / years. Data analysis can be realised with the DataWarehouse 2 software.

Thanks to the integration of flip – elements and gesture-operation, the visualization is “state of the art”. The operation is very easy and also convenient; e. g. with a double-click elements can be zoomed in. Providing several different switch libraries the visualization can be accommodated to individual customer's taste.

### eibPort functional

Currently the eibPort provides more than 32 integrated services (jobs). As the device can be updated it is possible to add new services any time. Due to this additional controllers become no longer necessary, so the eibPort can be budgeted nearly neutrally regarding the costs.

Type LAN / KNX® / EnOcean®

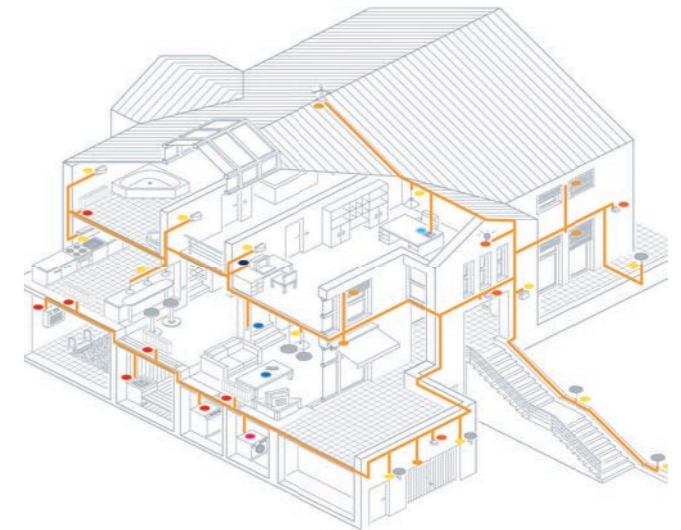


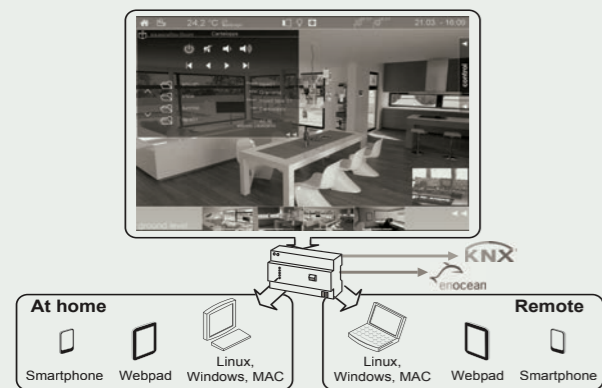
Type LAN / KNX®



Also available as Powernet variant

## eibPort in residential buildings

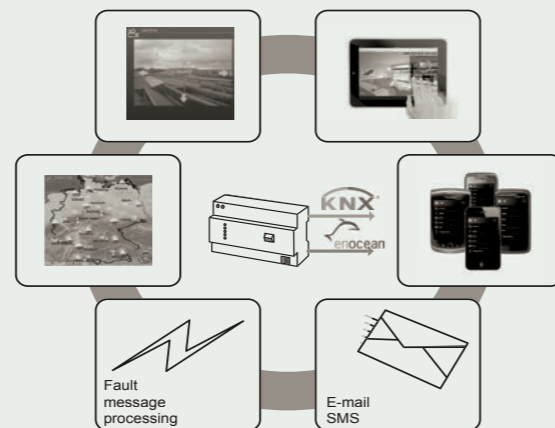




eibPort provides a visualization for all kinds of terminal equipment. The visualization will run as well on PC or MAC with operating systems Windows®, MAC® OS or Linux as also on smartphones or webpads. All visualizations will be provided by a web interface and are free of license costs. Operation can also be realised from remote by UMTS or WLAN.

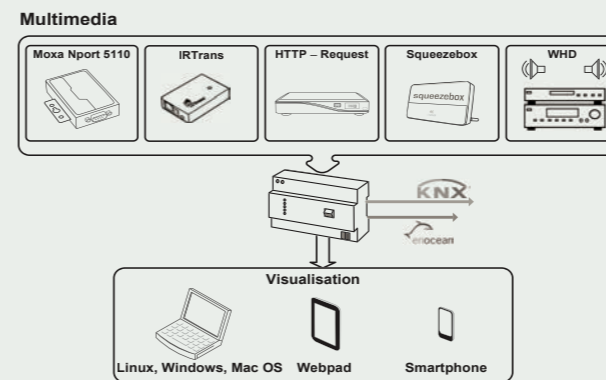
### eibPort integrated services

- Logical functions
- staircase functionality
- Delayer
- Light Scenes
- Hysteresis
- Trigger value
- Comparator
- Mathematics
- Counter
- Integrator
- Weekly time program
- Yearly time program
- Time / Date sender
- Astro time program

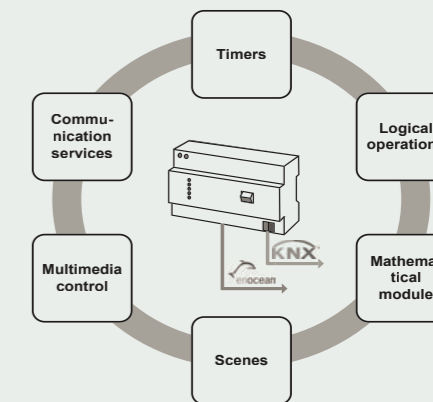


During the development and conception of the eibPort the focus was put on the user. An intuitive visualization layout or integration of cameras and / or webpages – all information is presented to the user optimally. Even underway the eibPort provides information failsafe and comfortable: With a mobile visualization for several mobile devices the access and operation is possible from anywhere. In case of unwanted events the eibPort forwards the information via E-Mail and / or SMS.

- E-Mail
- Time receiver
- Date Receiver
- Installation coupling
- UDP Sender
- SlimServer Receiver
- IR-Trans Receiver
- xPL Remote
- Basic Receiver
- xPL Sender
- Wake On LAN
- EIS 15 Multiplexer
- SB-Control
- HTTP Request
- UPnP
- KNXnet/IP



Using several integrated services the eibPort connects multimedia devices with building services. Interfaces such as IR (e. g. IR-Trans), RS 232 (e. g. Moxa) offer different ways for integration. Beneath perfectly tuned jobs for the Squeezebox by Logitech® and the Sonos® system several other open jobs as HTTP-Requests are available too.



All in all eibPort offers more than 32 integrated services which provide an additional intelligence for the electric installation and serve for more convenience and security. A lot of controllers become no longer necessary and so the installation can be planned cost-saving.

Therefore several timers, mathematical and logical functions as well as network related services as e. g. UDP- and E-Mail Sender (SMS also possible) are available.