

Data sheet

KNX BAOS 83x Starter Kit

(Art. # 5240)

Serial Interface and ObjectServer for KNX Bus

Application area

The KNX BAOS Starter Kit allows a quick start into KNX development. The kit comes with one KNX BAOS Development Board and two KNX BAOS Modules (1x830, 1x832).

The KNX BAOS Modules serve as serial interfaces to KNX. BAOS stands for "Bus Access and Object Server". The modules allow the access to the KNX bus on the telegram level (KNX Link Layer) as well as on data point level (KNX Application Layer). The link between application and the KNX BAOS Modules is established via a UART connection (FT1.2).

The modules can be used to easily develop KNX devices (e.g. sensor or actuator) with low investment. They are also an option to add KNX connectivity to existing devices with small development effort.

For a quick start, a generic ETS entry with 1000 group objects is available. Individual ETS representations can be created as well.

Both module types are powered via the bus. The KNX BAOS Module 830 provides galvanic isolation. The KNX BAOS Module 832 is non-isolated and offers a power supply from the bus for the application.

The BAOS development board provides sockets for the BAOS modules and contains a user programmable micro (Cortex M0+) for the application as well as some connectors, LEDs and buttons for development purpose.

For more information please see the user's guide.

Package list of the kit

- 1 pc. KNX BAOS Development Board
- 1 pc. KNX BAOS Module 830
- 1 pc. KNX BAOS Module 832
- 1 pc. USB cable type A-B (USB micro)

Documentation and Source Code

The complete KNX BAOS Starter Kit documentation, the ETS databases, the source code of the demo application can be found on our BAOS download page at:

<http://www.weinzierl.de>

Tools

Along with the KNX BAOS 83x Starter Kit you've also purchased a license for our Busmonitor software Net'n Node. The install file can also be downloaded from our BAOS download page.

The individual license file will be delivered by e-mail. Please send a request to

support@weinzierl.de



KNX BAOS Modules 830 (left) and 832 (right)



KNX BAOS Development Board



Weinzierl Engineering GmbH

D-84508 Burgkirchen / Alz

Germany

<http://www.weinzierl.de>

info@weinzierl.de