NEW

TAPKO
TECHNOLOGIES GMBH

IP ROUTER INTERFACE

UIM IP: IP- interface device to TP over IP

The new UIM-KNX IP is an interface device to TP over IP.

First of its class that needs no additional (neither external nor POE) power supply. Customer benefit is more space in the distribution board, less cabling, less mounting time, resulting in lower installation cost. Information about the device status and possibility for firmware update is offered via a web frontend. Supports extended frame format length up to 240 byte. Can be used with ETS3, ETS4 und ETS5

MEC IP: Router TP - IP

First Routing & Tunneling device of its class that needs no additional (neither external nor POE) power supply.

Can be used with ETS3, ETS4 und ETS5. Can be updated with a Web Interface

POWER SUPPLY

KNX Power supply 640mA (320mA) with integrated diagnostic over KNX bus

The intelligent DIN-RAIL mount KNX Power Supply for 640 mA is the smallest on the market with just 2 unit width.

It outperforms any other KNX Power Supply for 640 mA in size and functionality. The narrow size allows more KNX devices on the same DIN RAIL. This reduces cost by increasing free space in the distribution box. An additional KNX node ensures higher flexibility and usability by providing diagnostic information like voltage, current, over load, and other data describing the operational state of the device. Also remote and locally controlled functions like reset of a line are implemented. All these functions can be controlled and fine-tuned with a set of parameters.

KNX–RF+

KNX RF Field Strength Analyzer App for ETS

Our KNX RF Field Strength Analyzer (KNX-RF-FSA) app is taking the innate uncertainty of KNX RF installations.

By gathering the Received Signal Strength Indicators (RSSI) of all user-selected RF devices and displaying them in a color-coded matrix, the KNX-RF-FSA makes testing and debugging of KNX RF device connections easier than ever before. Designed to be used for short and long-term observations of the device's RSSIs, the KNX-RF-FSA is a high-quality tool that can highlight any weaknesses in a KNX RF installation. This tool also tests the functionality of activated repeater for increased area coverage to avoid future problems.

Available in the ETS App store.

KNX SECURITY

OEM

YOUR BRAND

You can obtain neutral products from us, or products with your own logo. As an additional service, we offer to create the databases and deal with the KNX registration. Optionally, the product can also be delivered complete with packaging and mounting/instruction manual.

For example:

UIM RF: USB- Interface to KNX – RF

The novel UIM RF interface combines high-end technology, functionality and flexibility perfectly.

The innovative device enables data connection between PC and the KNX RF bus -not only for the ETS- for commissioning of the bus devices, but also for visualization, protocolling and diagnosis. Can be used with ETS5 and EITT. Can be updated via USB.
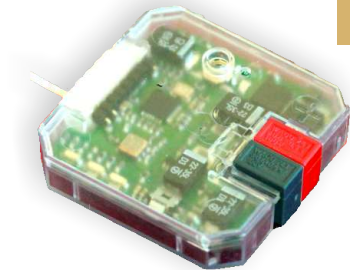
MEC RF: Mediacoupler to connect TP and RF

The new RF media coupler from TAPKO is the second device of the coupler device series employing the new coupler 2.0 model with the possibility to temporarily disable filtering of messages by pressing a button.

This eases commissioning of the system. The RF media coupler provides a connection between RF and TP KNX bus lines. It is fully integrated in the new release of ETS.

UIM TP: UIM-KNX 42 an USB Interface to KNX - TP

The innovative device enables data connection between PC and the KNX bus – not only for the ETS, for commissioning of the bus devices, but also for visualization, protocolling and diagnosis.

It provides a galvanic isolated bidirectional access to the KNX twisted pair bus to access every bus device in the KNX bus system. No specific USB driver due to USB HID profile

KNX Smart Home Control APP

This App is very new, very simple to start and a very good aplication for smart home systems.

It`s optimized für android smart phones and Tablets to start a quick and mobile solution for knx building automation…

12 Channell Multi I/O

The multi connection for 24 binary channels. 12 fold 16A bin output and 12 fold dry contact binary input.

The MIO-KNX 12 is a modular installation device for installing in a distribution board on 35 mm mounting rails. The actuators switch up to 12 independent electrical loads via potential free contacts (bi stable relays). The outputs are connected using screw terminals. Each output is controlled separately via the KNX.

MEC TP: Linecoupler connecting 2 KNX bus lines

Line coupler / repeater MECtp connects a KNX TP line to a KNX TP main line or main line to a KNX TP backbone line.

It provides galvanic isolation between connected lines, filtering the device oriented traffic according to the installation place and run time traffic according to the built/ set filter tables for group oriented communication, possible function as repeater to connect lines without filtering

TAI-KNX 4: Universal dry contacts Interface

The new TAI-KNX 4 Push Button Interface is a device that enables the usage of classical conventional switches or push buttons or for sensing binary signals.

It fits together behind a switch in a combined wall and joint box (Ø 60 mm). It is designed for potential free contacts. Some available functions are: 1 or 2 Button Shutter/Dimming, Switch (short/long), Send value e.g. Percent, Angle, Temperature, 8-bit, 16-bit Counter Reset, Counter Threshold, Scene.

SIM KNX

Our SIM-KNX devices are available with 9 pole RS232- and USB- interface, in two different kinds of enclosures, i.e. desk top and DIN RAIL.

The SIM-KNX devices take the pain out of integrating audio and video equipment or industrial controller into a KNX environment.

TOP

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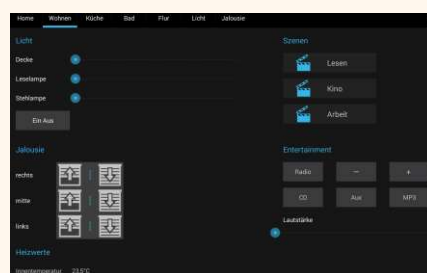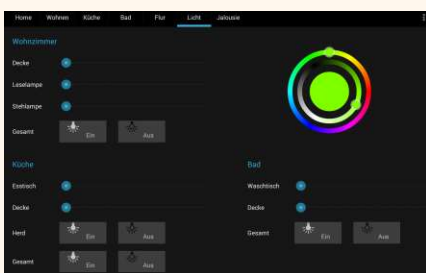
SOLUTIONS
…for customer-specific requirements

TAPKO's range of activities includes for example:

- Drafting of specifications
- Hardware and software development
- Prototyping
- Generating of database entry
- Conducting test series
- KNX certification
- Preparation of mass production

Depending on the requirements of the KNX device, we develop the product based on standard components or on our own TAPKO KNX stack. After an extensive consultation with the customer we decide which solution is best.

We carry out both full and partial developments. If TAPKO is commissioned with the full development, this usually means everything from prototyping to certification.

Examples of customer-specific developments depend on requirements regarding functionality, complexity, development time, development costs and price per unit. There are various possibilities for our working together. Contact us.

Sample developments:

- Gateway
- IP-Router
- lighting control
- presence detector
- cardreader
- heating control (Fancoil)

OUR TESTLAB:
KNX-CERTIFICATION OF
YOUR PRODUCTS

MANUFACTURING
IN EUROPE

TAPKOs DEVICES
Complete System Products for Building Automation

As a communication specialist in the area of building automation, we have gathered in more than 2 decades experience in communication between devices and in communication between devices and users. As a result today, we offer not only technological solutions and platforms but also complete interfacing and connecting devices. This range of products we call infrastructural products or system products. These devices are in function not visible to the end-user but of utmost importance for the KNX-system. Our devices integrate technical perfection, optimal solution of the requirements and the devoted spirit of the complete development team of TAPKO.

For example:

Development environment
Silicon manufacturer
Physical layer
Configuration mode
Device model

KAIstack

Our TAPKO KNX communication stack, also known as the KAIstack, has been the central element of every EIB/KNX development since our early days. Over 20 years of experience of EIB/KNX Product and EIB/KNX System Development plus the work of over 10 man-years have contributed to the development and permanent enhancement of the stack.

The basic structure of the KAIstack is modular, comparable to a unit construction system. It will be "assembled" according to the customer's requests and needs. In all cases the stack's core is the same. It is independent of the media used, the processors, the device type and mode of commissioning. This is a very important advantage: you have only one stack. It can be equipped with the required options as needed. Retrospective extensions and/or upgrades are thus simple to implement.

The evaluation boards for the product KAIstack enable efficient product development with microprocessors from a diversity of manufacturers. The use of media modules enables the developer to change the communication medium or interface module during the development process.

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