

# FacilityWeb

## Web Access for KNX / EIB Devices

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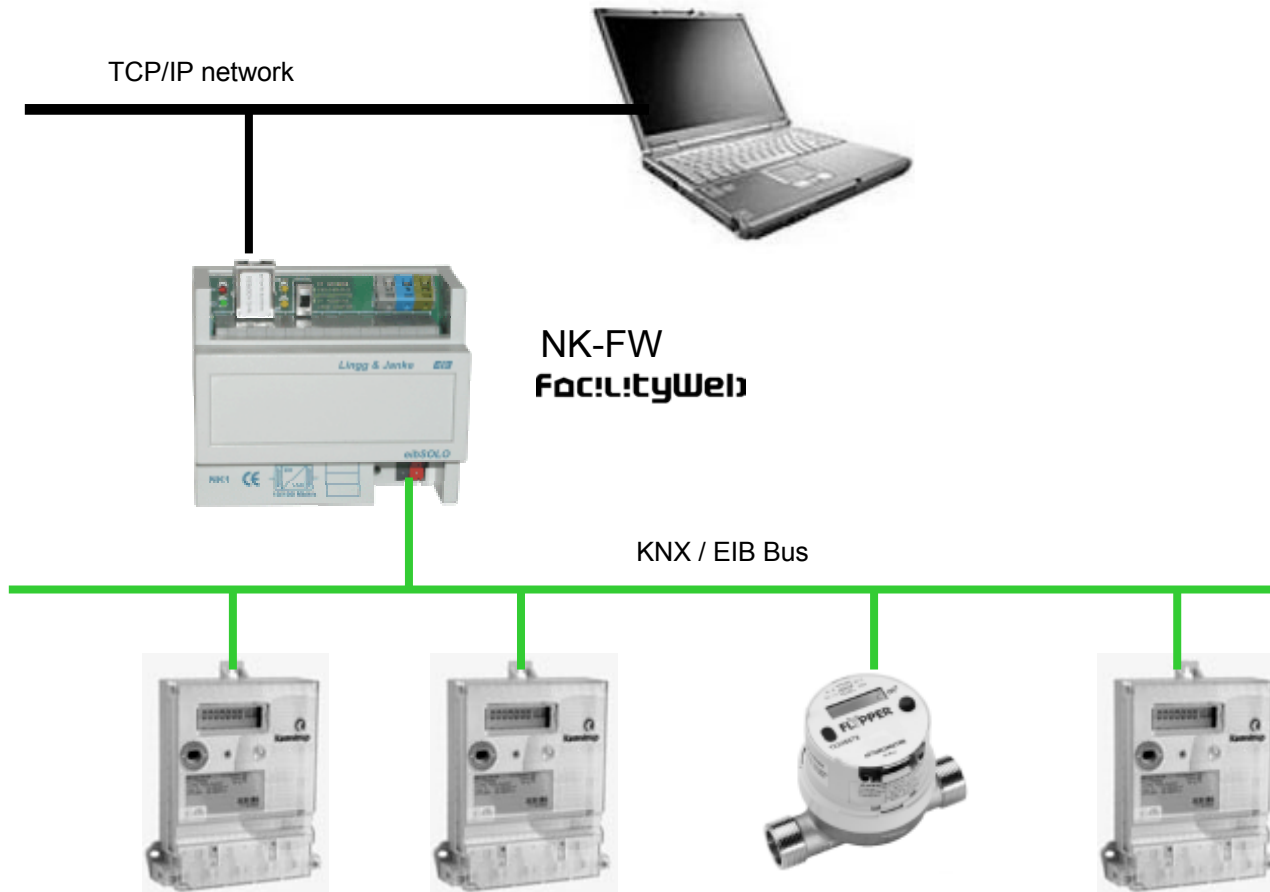
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**FacilityWeb**

FacilityWeb

FacilityWeb

# System Structure of **Fac!l!tyWeb**



**Lingg & Janke Fac!l!tyWeb** products

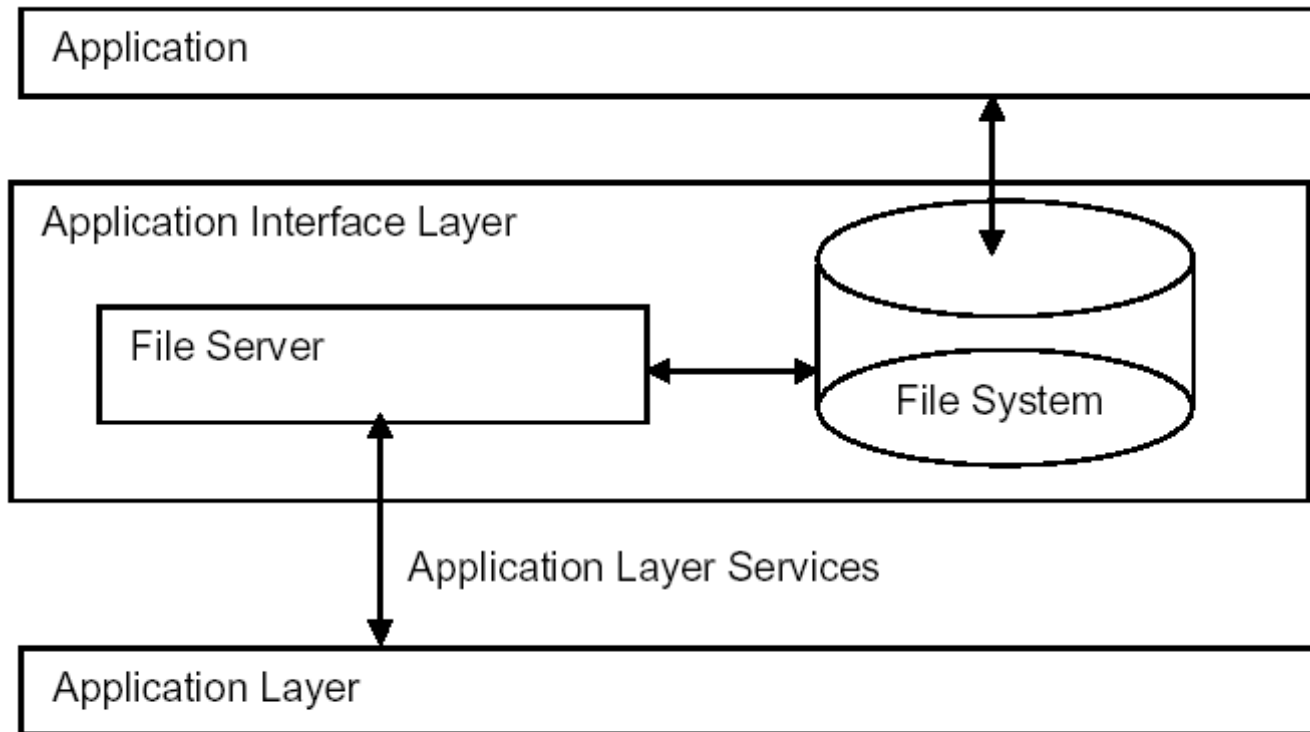
## Services provided by **FacilityWeb**

(TCP/IP network side)

HTTP service: Allows access with a browser to any KNX / EIB bus device.

FTP service: Allows downloading of files from any KNX / EIB device using an FTP client program (e.g. FTPcommander).

## BCU with **FacilityWeb** functionality



**Figure 2 – Basic File Server model**

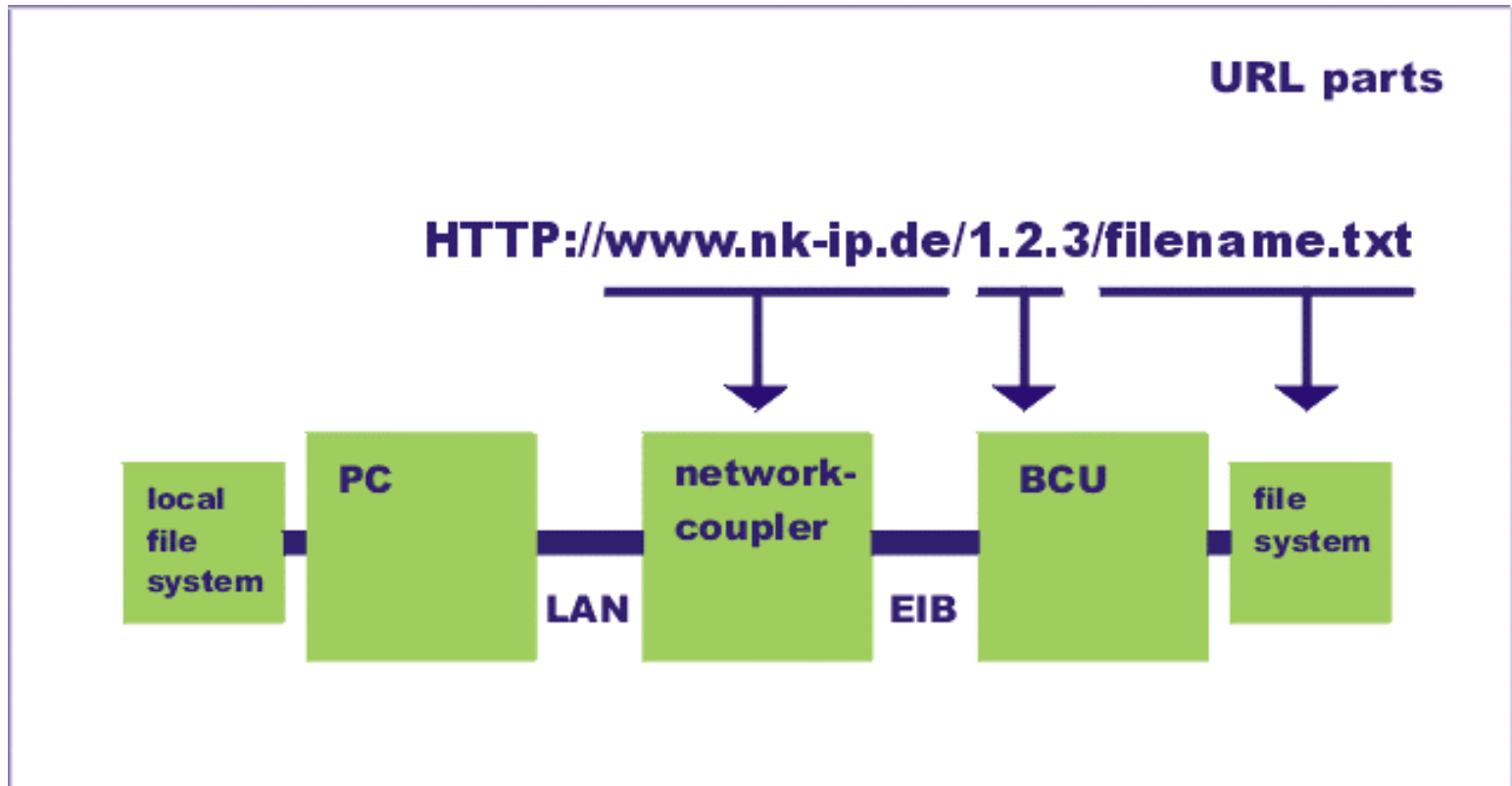
## **FacilityWeb** major Applications

With **FacilityWeb** the **end user** has the possibility to communicate with KNX / EIB bus devices directly (window into the device).

With **FacilityWeb** KNX / EIB bus devices may have additional mass storage, which enables them to perform autonomous **long term data logging**.

With **FacilityWeb** KNX / EIB bus devices may contain their own **operating manuals**.

## FacilityWeb Device Addressing (Browser)



## „Homepage“ of a KNX / EIB Device

Mozilla Firefox

Datei Bearbeiten Ansicht Chronik Lesezeichen Extras Hilfe

http://172.16.1.179/1.2.33/ Google

# Lingg & Janke

[\[ device \]](#) [\[ time \]](#) [\[ yearlog \]](#)  
[\[ energy \]](#) [\[ power \]](#) [\[ voltage \]](#) [\[ current \]](#)

19.05.2008  
14:18:13

Zaehler Nr. 1

meter reading: 0000002382 kWh  
power at present: 801.00 W

DEUTSCH

[zurück](#)

http://172.16.1.179/1.2.33/en/tim/tim



## Further Web Page of a KNX / EIB Device

The screenshot shows a Mozilla Firefox browser window with the following elements:

- Browser Title Bar:** Mozilla Firefox
- Menu Bar:** Datei, Bearbeiten, Ansicht, Chronik, Lesezeichen, Extras, Hilfe
- Address Bar:** <http://172.16.1.179/1.2.33/en/val/valp>
- Search Bar:** Google
- Page Header:** Lingg & Janke
- Navigation Links:** [\[ energy \]](#), [\[ power \]](#), [\[ voltage \]](#), [\[ current \]](#), [\[ home \]](#), [\[ objects \]](#)
- Section Header:** power
- Power Data:**

power tot at present:	795.00 W
power L1 at present:	646.00 W
power L2 at present:	58.00 W
power L3 at present:	89.00 W
- Footer:** [zurück](#)
- Status Bar:** Fertig

## Long Term Data Logging (e.g. logging inside an electricity meter)

```

+-----+
| Rec. Date: Mon 21.01.2008 |
+-----+
| Kamstrup E-Meter 382/162 |
| 1: Meter reading (kwh)    |
| 2: 1/4h Diff. (wh)       |
| 3: Power (w)              |
+-----+
08 00:00 000000232    100    505
08 00:15 000000232    100    442
08 00:30 000000233    100    500
08 00:45 000000233    200    495
08 01:00 000000233    100    517
08 01:15 000000233    100    451
08 01:30 000000233    100    502
08 01:45 000000233    200    500
08 02:00 000000233    100    500
08 02:15 000000233    100    500
08 02:30 000000233    100    500
08 02:45 000000233    200    500
08 03:00 000000233    100    500
08 03:15 000000233    100    500
08 03:30 000000233    100    500
08 03:45 000000233    200    500
08 04:00 000000233    100    500
08 04:15 000000233    100    500
08 04:30 000000233    100    500
08 04:45 000000233    200    500
08 05:00 000000233    100    500
08 05:15 000000233    100    500
08 05:30 000000233    100    500
08 05:45 000000233    200    500
08 06:00 000000233    100    500
08 06:15 000000233    100    500
08 06:30 000000233    100    500
08 06:45 000000233    200    500
08 07:00 000000233    100    500
08 07:15 000000233    100    500
08 07:30 000000233    100    500
08 07:45 000000233    200    500
08 08:00 000000233    100    500
08 08:15 000000233    100    500
08 08:30 000000233    100    500
08 08:45 000000233    200    500
08 09:00 000000233    100    500
08 09:15 000000233    100    500
08 09:30 000000233    100    500
08 09:45 000000233    200    500
08 10:00 000000233    100    500
08 10:15 000000233    100    500
08 10:30 000000233    100    500
08 10:45 000000233    200    500
08 11:00 000000233    100    500
08 11:15 000000233    100    500
08 11:30 000000233    100    500
08 11:45 000000233    200    500
08 12:00 000000233    100    500
08 12:15 000000233    100    500
08 12:30 000000233    100    500
08 12:45 000000233    200    500
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08 13:30 000000233    100    500
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08 14:30 000000233    100    500
08 14:45 000000233    200    500
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08 20:30 000000233    100    500
08 20:45 000000233    200    500
08 21:00 000000233    100    500
08 21:15 000000233    100    500
08 21:30 000000233    100    500
08 21:45 000000233    200    500
08 22:00 000000233    100    500
08 22:15 000000233    100    500
08 22:30 000000233    100    500
08 22:45 000000233    200    500
08 23:00 000000259    100    448
08 23:15 000000259    100    448
08 23:30 000000259    100    514
08 23:45 000000259    200    502

```

## Highlights of **FacilityWeb**

- World wide standard ISO / IEC 14534 and EN 50090
- **Low energy consumption** (only 150mW per BCU)
- Simple wiring with 2 (4) wire cables
- Devices are suitable for electrical installations
- Trained personnel available for installation and maintenance
- **Low manufacturing costs** per bus coupling unit (BCU)
- Functional range almost like „big“ web servers
- **Only little installation work** due to predefined
- Little planning effort
- Every bus device has its own „Homepage“
- **No additional software necessary** for the end user

## Restrictions of **FacilityWeb**

- Slow data transmission (9600 Baud)
- Performance lower than with „larger“ web servers
- Restricted web pages.
- Only one end user at a given time (currently).

## Available Products

For the market launch of **FacilityWeb** two products are available:



Network Coupler NK-FW

**FacilityWeb**



Electricity Meter

EZ382A-FW

**FacilityWeb**

## Training Center Opportunities

Training courses for:

- **FacilityWeb** system structure
- TCP/IP network basics
- IP addressing
- Configuration of the network coupler NK-FW
- Configuration of TCP/IP routers
- etc.

## **Thank You for Your Attention**

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