Data sheet A1GW.115.W

Gateway to process and communicate field data

Product description

The 4.0 Gateway family A1GW transfers data cost efficiently and safe via internet from local IoT devices to a data server. Field data is recorded by IoT metering units, in the following collected and pre-processed by the gateway. Referring to the innovative and secure Kolibri© IoT protocol a steady connection to the data server is held. All IoT devices are continuously “online“. All values are accessible on the data server and may be read on PC or smartphone or transferred to a data base for longtime storage. Components, installations and processes may be monitored and controlled.
4.0 Gateways support streaming analytics, features that process and visualize data in real time.

Application

- acquisition of energy and ressource consumption
- monitoring of device and installation status
- surveillance of environmental parameters
- online accessibility of defined PLC data

Features

- visualization on PC or using the smartphone app
- immediate alerts in case of exceeded limits
- transmission of historic data via email as .CSV file
- safe online transmission of data by IPsec protocol

Technical data

IPC@CHIP®	SC145 Embedded Controller, 32-bit processor with 528 MHz, 128 MB RAM (DDR3), 64 MB flash disk
real-time clock	racked by a lithium rechargeable battery
ethernet interface	2 x 10/100BaseT, RJ45 connectors, Link and traffic LED indicators
serial interface	1 x RS485, Weidmüller BL 5.08/02 connector
SD card interface	1 x microSD card, SD / SDHC, Push/push slot
supply voltage	24 VDC (-15%/+15%), Weidmüller BL 5.08/03 connector
active current	50 mA (max)
operating temperature (TA)	(TA) 0ºC to +55ºC
size (W x L x H)	37 x 97 x 62 mm
material	plastic housing
mounting	DIN rail mounting
CE RoHS/WEEE	IEC 61000-6-3, IEC 61000-6-2, IEC 62368-1

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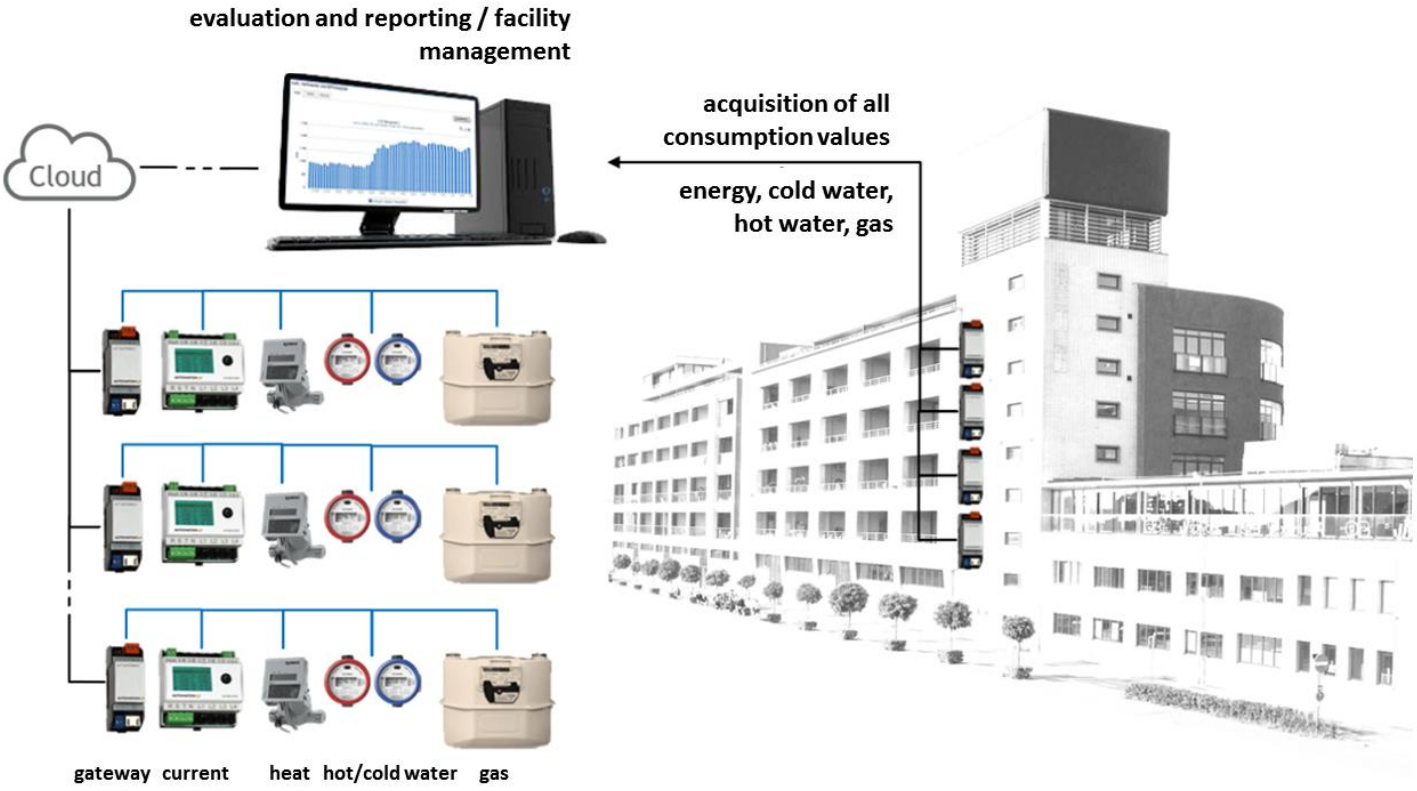
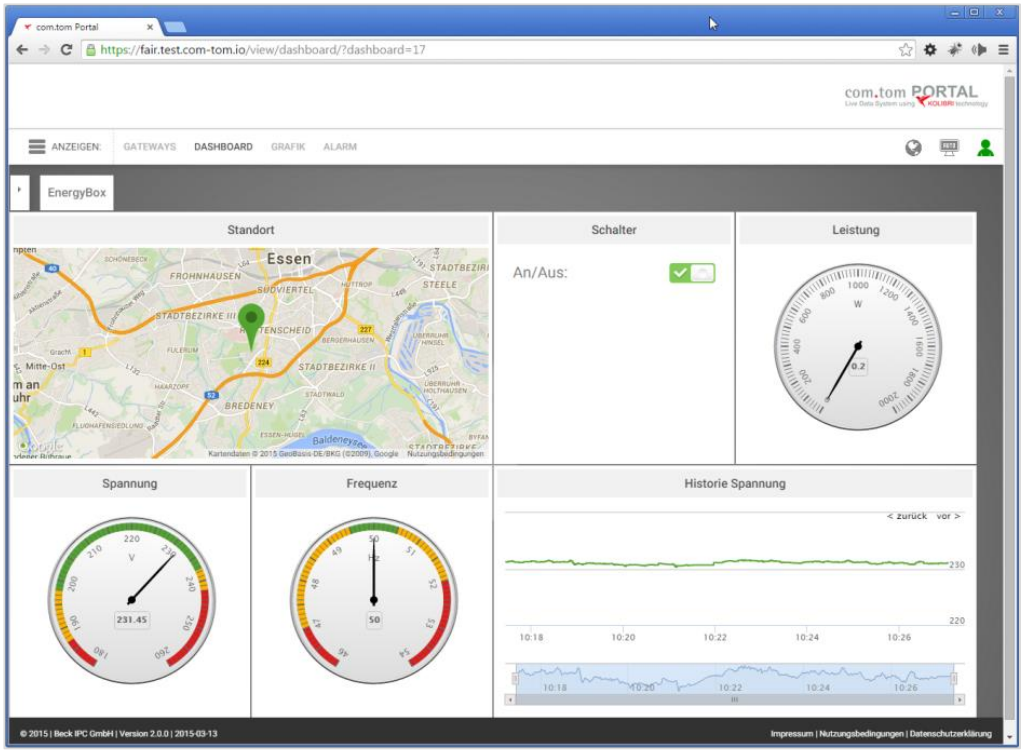
Crosslinking and accessibility of data



Visualizing data



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