

## multimax IGW Analyze and Evaluate Data



### Online Visualization and Energy Optimization Configuration

- Highlights**
- Plug and Play, no software installations necessary
  - Intuitive web browser operation
  - Multi-user system with user login
  - Operations calendar with timer functions

The power required for plants and buildings changes over the course of time. In order to get the maximum savings potential from an energy optimization system, it should be adapted to changing conditions in operation on a regular basis.

As a user, you should have the ability to perform analyses and adaptations without major effort. For this reason, we've developed a lucid operating concept that provides a clear and organized breakdown of the screen layout, similar to a car navigation system.

The KBR intelligent gateway is integrated into the network with an IP Address and runs immediately via Plug and Play, without installing any software. **multimax** can be analyzed and programmed from any computer in the network with a default browser.

Would you like some new functions?  
Update for your energy optimization system at the press of a button.  
Free and automatic installation.  
Update function in IGW.



## Technical Data

### DEVICE TYPE multimax IGW

<b>DIMENSIONS:</b>	Wall mounting on DIN rail 4 horizontal pitch (H x W x D) 90 x 71 x 61 mm	
<b>POWER SUPPLY:</b>	100 – 240 V AC/DC, 50/60 Hz	
<b>INPUTS AND OUTPUTS:</b>	RS 485 eBus-interface RS 485 Module bus-interface RJ12 TCP/IP-interface	USB interface HDMI interface SD card slot

## User interfaces



### LOGIN:

The user will be assigned permissions when they log in.

**VIEWER:** Can visualize and analyze historical data online.

**STANDARD:** Also has the ability to modify permission parameters and target values.

**EXPERT:** This login allows the user to modify system configurations and run updates.



### MEASUREMENT PERIOD:

Current load period visualization. Current power, power consumption trends, and corrective power at a glance.



### LOAD PROFILE:

Load profile level-time chart with instantaneous target value. Analyze historical values with a click.

Views for day, week, month, or year.



### SWITCHING OPERATIONS:

Analyze switching operations. When and how often which consumers were taken from the mains for optimization. An overview of all switching operations.



### CONSUMERS:

Displays line statuses, programming, and manual operation (switching on and off) for connected consumers.



### OPERATIONS CALENDAR:

To keep machines and systems from running on standby, they can also be switched off outside of operating times and turned back on in time for use. The challenge is that there is no fixed pattern of work days. Using timers is not feasible on holidays, bank holidays, and even times of reduced work hours.

### Ingenious features allow for the first time reliable, time-controlled reduction of consumption:

- Timer programs that rely on the types of day in the calendar.
- An infinite calendar with pre-defined, adjustable rules and individually definable day types.



### TIME PROGRAMS:

Easiest timer program creation. Shutting off systems during closures, switching on systems to pre-heat before shift begins, and much more.



### SYSTEM CONNECTION:

Integrating the system into the existing infrastructure. With these interfaces, integration into the customer network takes no effort at all.

