

## **NETx BMS Clients**

Web based visualization for touch panels, smartphones, tablets and other devices with standard web browser

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# Functions

## Control elements

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- Graphical control elements like labels, buttons, sliders and images for creating a web based visualization
- Extended elements like link area, multi-picture, multi-internet and RGB controls

## Usability

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- Definition of customer specific layouts with self-created components and master pages
- Grouping of user specific control elements
- Saving of control elements in libraries for later re-use
- Multiple use of visualization objects through data point exchange

## Auto scale

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- Auto scale for different resolutions of the devices
- Dynamic adjustment of the visualization to the resolution of the used device

## Trending

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- Graphic display of historical values of the NETx BMS Server with Historical Data Chart
- Individual configuration of the graphs (e.g. type, color, aggregation mode)
- Time interval of the view arbitrary – daily, weekly, monthly, yearly or user-defined

## Smart metering

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- Visualization of consumption values of smart meters from Metering Module of the NETx BMS Server
- Time period of the chart arbitrary

## Scheduler – Server calendar

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- Adding and editing of time-based events with the integrated calendar module
- Managing calendar event by the user during the run-time depending on user rights
- Using data points from any system
- Saving and managing calendar entries directly within the NETx BMS Server
- NETx BMS Server runs as service – therefore retrieving calendar events independent from client status

## User management

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- Definition of users with limited rights additional to administrator
- Showing or hiding of certain areas of the visualization for each user possible

## **Main/Backup**

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- Integration in a Main/Backup solution possible

Up to 1,000 NETx BMS clients possible (depending on the network connection and complexity of the visualization).

## System requirements NETx BMS Clients

- Any operating system
- Latest standard web browser
- For iOS and Android: NETx Touch App

## System requirements NETx BMS Server

### Hardware

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- PC - Intel oder AMD - 1.8 GHz (multi-core recommended)
- RAM: 2048 MB
- Hard disk: 32 GB (64 GB recommended)
- Ethernet interface: 100 MBit/s
- Resolution: 1280 x 1024

### Supported operating systems

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- Windows 7 – SP1 (32 bit | 64 bit)
- Windows 8 (64 bit) | Windows 8.1 (64 bit)
- Windows 10
- Windows Server 2008 R2 (32 bit | 64 bit)
- Windows Server 2012 | 2012 R2 (64 bit)
- Windows Server 2016 (64 bit)

## Order information

No separated license necessary. Licensing with NETx BMS Server.

Software	Max. number of data points	Incl. BMS Client licenses	Product-ID
BMS Server STARTER	250	1	S06.02.0.00.01
BMS Server HOME	1,000	3	S06.02.0.00.02
BMS Server BASIC	2,500	5	S06.02.0.00.03
BMS Server PROFESSIONAL	10,000	10	S06.02.0.00.04
BMS Server ENTERPRISE	25,000	10	S06.02.0.00.05
BMS Server CUSTOMIZED	> 25,000	> 10	S06.02.0.00.06
Zusätzlicher BMS Client			S08.01.0.01.01

USB Dongle	Free USB port necessary	H00.00.0.00.04
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- To ease the order process please announce the number of data points/group addresses as well as the number of BMS Clients when ordering.
- Basically, all interfaces are already included in the NETx BMS Server. Nevertheless, some have to be licensed separately - MICROS Fidelio, Protel, VingCard, Kaba, Salto, Gira HomeServer/FacilityServer.
- All versions are available as Softlock (license code) or Hardlock (USB-Dongle). Hardlock version is recommended, as by changing the hardware or the operating system no re-licensing is necessary.
- Licensed data points: Number of KNX telegram definitions, KNX device definitions, KNX Gateway definitions, BACnet objects and Modbus data points.
- NETx BMS Clients are part of the NETx BMS Servers and therefore not available separately.

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