

# **NETx Voyager Visualization**

PC based visualization with customizable graphic user interface

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# Functions

## Control elements

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- Standard elements like buttons, sliders and images
- Additionally, extended control elements:
  - Charts with different graph types for displaying historical data
  - Historical Data Table for displaying historical data as table
  - Multi-controls for displaying elements, which depend on a data point value like multi-text, multi-picture
  - RGB-control for color change of LEDs
  - Polygon for defining link areas
  - Polyline

## Trending

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- Visualization of historical values with Historical Data Chart
- Customization of graphs (type, color, interpolation mode)
- Time interval (daily, weekly, monthly, yearly or individual) arbitrary
- Activation or de-activation of trends during run-time
- Arrangement of data points with activated trending to trending groups (as graphs)
- Comparison of trending groups due to simultaneous displaying of trending graphs
- Configuration of trends within trending groups possible
- Removing trends from trending groups possible at any time

## Smart Metering

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- Visualization of consumption values of smart meters with Metering Chart
- Time period and display arbitrary
- In addition to graphic display also in tabular form possible
- Printing tables and graphs or saving them as excel file

## Server calendar

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- Calendar module of the NETx BMS Server is available in the NETx Voyager
- Flexible management of calendar events and time based events

## Alarm management

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- Definition of alarms possible, amount depending on the license
- If an alarm condition is met the information will be shown as pop-up or on an alarm page
- Notification via SMS or e-mail
- Monitoring, acknowledging or suppressing of alarm by using alarm lists
- Recording changes of alarm states in an alarm log file

### **Adding control functions**

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- Adding missing control functions on management level using Eventor and Processor
- Changing data points based on time and value based conditions using the Eventor
- Integration of pre-defined or user-specific VBA scripts using the Processor
- Eventor and Processor are available in online mode during run-time

### **Scene manager**

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- Creating user-specific scenes by allocating data points, which are assigned to the scene
- Defining a data point to start recording a scene
- Defining a data point to trigger a saved scene
- Both mechanisms can be triggered directly
- Using of real and virtual (only available in the visualization) data points possible

### **Main/Backup**

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- Integration in Main/Backup solution possible

# Versions

## OPC

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- Interface: VNET or DA 2.0
- Driver: NETxAutomation
- Simultaneous use of different technologies (KNX, BACnet, Modbus, SNMP, MICROS Fidelio/Opera, VingCard, ...) possible
- Direct access to data via server
- For visualization projects with a NETx Server (NETx BMS Server, NETx KNX OPC Server)

## Direct(KNX)

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- Interface: Direct(KNX)
- Driver: Falcon Driver – KNX Association
- For KNX projects only
- Allows a direct connection to KNX – no server necessary
- Only for one interface e.g. KNXnet/IP routing, tunnelling or USB
- Not suitable for large projects or project with multiple systems

# System requirements

## Hardware

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- PC - Intel or 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

Software	Elements	pages	Product-ID
<b>OPC</b>			
Voyager HOME	400	20	S07.05.0.01.02
Voyager BASIC	2,500	100	S07.05.0.01.03
Voyager PROFESSIONAL	10,000	200	S07.05.0.01.04
Voyager ENTERPRISE	∞	∞	S07.05.0.01.05
<b>Direct(KNX)</b>			
Voyager HOME	400	20	S07.05.0.02.02
Voyager BASIC	2,500	100	S07.05.0.02.03

USB Dongle	Free USB port necessary	H00.00.0.00.04
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- 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.

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