EisBaer SCADA

Visualization Software

Software for visualization and automation of intelligent buildings

Alexander Maier GmbH
Gebäudesystemtechnik

1 General

Fields of application, technology and interfaces

applications
The software is a modern and cost-effective software for the visualization and automation of intelligent buildings or plants. Their range of services extends from individual rooms or machines, through apartments and houses to the most modern and largest buildings and building complexes. The comfortable graphical editor enhances the creation of interfaces through a flexible menu structure, convenient layout tools and numerous visual effects. Interfaces to a variety of control, regulation and EDP systems make the software a universal building management platform. EisBär SCADA enables the realization of systems of any complexity and size. For our international customers the software is available in different languages. The interface can be implemented in any language available in Windows operating systems.

technology
The technical basis is the Microsoft® .NET Framework 4.6.1, the basis of modern software and current Microsoft® server and desktop operating systems. The internal network structure and the protocol independent design make EisBär SCADA a flexible and universal system. The component-oriented structure facilitates and accelerates the development phase of your visualization project. EisBär SCADA also offers an open interface for the integration of specially developed components. The technologies used are Microsoft's latest concepts WPF and WCF. They form the basis for design and functionality.

interfaces
The most important interface standards, such as KNX, Modbus, DigitalSTROM, Fidelio, ESPA, ESPA-X, Sonos, BOSE SoundTouch, Revox Voxnet, Lutron, Tesla, ekey, Philips hue, Gardena Smart System, EVIS, Serial, BACnet, CAN, OPC, IRTrans, u. v. m. are license-free integrated into the software.

Note: When using external connections, e.g. As a web service or cloud connection, we can not guarantee the permanent availability. The services may be temporarily unavailable or, in extreme cases, may be discontinued by the providers without replacement.

Content of this chapter:

1.1 Introduction

This system manual gives you direct access to the product with individual step-by-step instructions. Advanced users can use it as a reference guide and command reference.

The following summary of the content gives you an overview of each chapter of the manual:

General
Software-Program suite and system requirements

1.2 Software

The program package EisBär SCADA consists of three parts:

- Editor 26, to create the surfaces
- Server 41, service as a central server for the clients
- Client 42, operating software of the user.

Detailed information on the individual parts of the program can be found in further chapters of the manual.

1.3 System requirements

Each of the 4 programs of the EisBaer SCADA Suite has a different software/hardware requirement.

EisBaer SCADA has been developed for Microsoft® Windows® beginning Windows® 7 and higher. Windows® XP is not supported, because the .NET Framework 4.6.1 is not available.

Minimum requirement "Editor"

OS	Microsoft® Windows 7, Windows 8, Windows 10, with Microsoft® .NET Framework 4.6.1 and all available updates
RAM	2048 MB (recommended: 4096 MB)
CPU	1,7 GHz higher
Free disk space	2 GB (recommended: 10 GB)

Minimum requirement "Server"

OS	Microsoft® Windows 7, Windows 8, Windows Server 2008 R2, Windows® Server 2012, Windows Server 2012R2, with Microsoft® .NET Framework 4.6.1 and all available updates
RAM	4096 MB higher
CPU	1,7 GHz higher
Free disk space	10 GB (recommended: 20 GB)

Note: In virtual environments such as VMWare are no USB connection as an interface to KNX possible. KNXNet IP routers are required. For the USB license dongle in a virtual environments a USB Device Server is necessary.
Chapter *USB Dongleserver*[20] *describes the configuration of the* USB Device Server.

Minimum requirement "Client"

OS	Microsoft® Windows 7, Windows 8, Windows 10, with Microsoft® .NET Framework 4.6.1 and all available updates
RAM	2048 MB (recommended 4096 MB)
CPU	1,7 GHz higher
Free disk space	2 GB (recommended: 10 GB)

Android:	6.0 or higher
iOS:	10.0 or higher

1.4 Licensing

The complete software package is available in the current version on the homepage www.busbaer.de for free download.

No license is required to use the editor. For the permanent operation of the server a license is required. Without a license, the server-client operation is terminated after 30 minutes. Only the server is licensed. The number of clients is arbitrary. The required license size depends on the size of the project, the number of pages realized and the created components / channels. Some components are included in the calculation with a weight greater than 1, e.g. the components Maximum Guard [x500] or BACnet [x3000]. In the component window of the editor, the corresponding multiplier for these components is enclosed in square brackets.

The number of channels corresponds to the number of created channels of the respective component. The number of channels is displayed in the properties window of the components. Channels or data points in driver components are not counted.

For the size of the license is crucial that pages and / or the component / channels in the project realized are less than or equal to the license size. If a larger license is required, an upgrade is possible at any time. The USB license dongle does not need to be replaced. You will then receive only a new activation for the existing dongle by e-mail or they can be reloaded online via the server console with an existing Internet connection.

Project Licenses:
- EisBär SCADA project license Pro Domo (5 pages / 200 components / channels), incl. USB license dongle
- EisBär SCADA project license starter (10 pages / 500 components / channels), incl. USB license dongle
- EisBär SCADA project license Professional (30 pages / 3,000 components / channels), incl. USB license dongle
- EisBär SCADA project license architect (100 pages / 10,000 components / channels), incl. USB license dongle
- EisBär SCADA project license Enterprise (unlimited pages / 100.000 components / channels), incl. USB license dongle

Update and upgrade licenses are also available. An overview is available in the current price list and on our homepage / online shop at www.busbaer.de

WebApp licenses (optional from EisBär SCADA V3 with existing dongle license):
- EisBär SCADA ProDomo WebApp / HTML5 access
- EisBär SCADA Starter WebApp / HTML5 access
- EisBär SCADA Professional WebApp / HTML5 access
- EisBär SCADA architect WebApp / HTML5 access
- EisBär SCADA Enterprise WebApp / HTML5 access

Portals licenses for portal service (optional from EisBär SCADA V2):
- Remote access portal service holidays - 30 days
- Remote access portal service - 1 year
- Remote access portal service - 2 years
- Remote access portal service extension - leave - 30 days
- Remote access portal service extension - 1 year
- Remote access portal service extension - 2 years

Updates within the purchased license are free of charge. The useful life of the software is not limited to running time. An annual fee for use is not charged.

Some components are included in the calculation with a weighting of more than 1. In the component window of the editor, the corresponding multiplier for these components is enclosed in square brackets. If such a component is used, x more components are counted for license calculation.

Components with increased weighting