What’s QuickHMI?

QuickHMI is a modern and reliable software for plant and machine visualization, as well as control instrument of automated industrial plants. QuickHMI is based on modern web technologies such as HTML5 and JavaScript and is well prepared for the requirements of Industry 4.0. If desired, provision of the HMI as a cloud application is also easily possible.

With the scalable QuickHMI create small projects with a Raspberry Pi up to a large visualization of industrial landscapes.

General

- **Publisher:** Indi.Systems GmbH (Copyright ©)
- **System:** HTML5 application with client/server architecture
- **Current version:** 8 (Falcon)
- **Environment:** Runnable on 64-bit systems

License model without runtime licenses

Licensing per Workstation > **NO RUNNING LICENSES** necessary.

Create your QuickHMI projects in any number and size. With the purchase of the QuickHMI system, you do not have to worry about further licensing the runtime environment.

Hardware system requirements

Generally, it should be either modern, commercially available computer hardware. The following list gives an overview of the recommended equipment:

**QuickHMI-Editor**

- **CPU:** at least 1.6 GHz or higher with 64-bit
- **RAM:** at least 2 GB, recommended 4-8GB
- **Network:** 100 Mbps
- **Graphics:** 3D-capable graphics chip with DirectX 9.0 support.
  A 3D-capable graphics card with its own 512 MB graphics memory is recommended

**QuickHMI server**

- **CPU:** at least 1.6 GHz or higher with 64-bit
- **RAM:** at least 2 GB, recommended 4-8GB
- **Network:** 100 Mbps
- **Raspberry Pi:** The execution of the software on the Raspberry Pi from version 3 is possible.

**QuickHMI Viewer or execution in the browser**

- **CPU:** at least 1.6 GHz or higher with 64-bit
- **RAM:** at least 2 GB, recommended 4-8GB
- **Network:** 100 Mbps
- **Graphics:** 3D-capable graphics chip
- **Raspberry Pi:** The execution of the software on the Raspberry Pi from version 3 is possible.
Operating systems

**Editor**
- Windows from Win7 or Server from 2008 R2 > The .NET Framework 4.5.2 is required for the execution
- Possibly manual activation of .Net Framework 3.5 (depending on the operating system)

**QuickHMI Standalone Runtime and QuickHMI Viewer**
- Windows | Linux
- Android App from version 4.4 (Kitkat)
- Running the QuickHMI standalone runtime and the QuickHMI viewer, requires the Java OpenJRE 12 or later

**Browser (HTML5 enabled)**
- Chrome from version 54
- Mozilla Firefox from version 46
- Opera from version 41

**Compatibility of PLC and other data sources**
- **Siemens S7 controllers** (200, 300, 400, 1200, 1500 series and SoftSPS WinAC RTX), **Logo!0BA7** and **Logo!0BA8** and CPU’s of other manufacturers (eg VIPA 100V / 200V / 300V / 300S)
- **OPC UA** interface
- **TWINCAT2** from version 2.1 and **TWINCAT3** is supported *1)
- **MODBUS** TCP, RTU, RTU over TCP or ASCCI
- **Allen-Bradley** “Control Logix” or “Compact Logix” PLCs via the Ethernet/IP protocol
- **KNX/EIB**
- **MQTT**-Protocol
- **SQL databases** using JDBC
- **Files from the file system** with the file system data source
- Native migration of additional protocols is planned.

*1) TWINCAT data sources are not executable under Linux. If these are to be executable under Linux, the use of OPC UA data sources is recommended.

**Further functions at a glance**
- Resource-saving server-client architecture
- Graphical operations are performed within the GPU of the graphics card, and relieve the computer CPU
- Central configuration tool for parameterizing the runtime environment
- SVG Control Manager (Visualization of own svg control elements)
- Creating variables in text view
- On-the-fly switching between design and runtime modes
- User and group management
- Parameterizable translation texts
- Integrated alarm reporting system
- Action, rule, recipe and resource management
- Integration of audio files
- Integration of own graphics
- Zoom able masks and controls (Over 2000 graphics)
- Low administration effort due to central project location (The project does not have to be installed on clients, data is transferred from the server when connecting)
- Secure communication between server and clients due to SSL encryption
- QuickHMI Viewer is available as an open source project
- Infinite expansion capabilities by running custom HTML or JavaScript code (HTML and JavaScript manager)
- Display of trend data with the chart manager
- Easy to use step-by-step documentations