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:** 7 (Eagle)
- **Environment:** Runnable on 32 bit and 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 32-bit or 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 32-bit or 64-bit
- **RAM:** at least 2 GB, recommended 4-8GB
- **Network:** 100 Mbps
- Execution of the software on the Raspberry Pi from version 3 possible

**QuickHMI Viewer or execution in the browser**

- **CPU:** at least 1.6 GHz or higher with 32-bit or 64-bit
- **RAM:** at least 2 GB, recommended 4-8GB
- **Network:** 100 Mbps
- **Graphics:** 3D-capable graphics chip
- Execution of the software on the Raspberry Pi from version 3 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-Server and QuickHMI-Viewer
- Windows | Linux | Mac-OS
- Android App from version 4.4 (Kitkat)
- Running the QuickHMI server and the QuickHMI viewer, requires the Java JRE8 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), Logox 0BA7 and Logox 0BA8 and CPUs of other manufacturers (eg VIPA 100V / 200V / 300V / 300S)
- OPC UA or OPC Classic DA interface *1)
- TWINCAT2 from version 2.1 and TWINCAT3 is supported *1)
- MODBUS support, various devices can be connected via MODBUS TCP, RTU, RTU over TCP or ASCCI
- Allen-Bradley “Control Logix” or “Compact Logix” PLCs via the Ethernet/IP protocol
- MQTT-Protocol
- Various SQL databases using JDBC
- Files from the file system with the file system data source

*1) OPC Classic DA and TWINCAT data sources are not executable under Linux and Mac-OS. If these are to be executable under Linux and Mac OS, 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
- 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