

## What's QuickHMI?

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**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

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- **Publisher:** Indi.An Systems GmbH (Copyright ©)
- **System:** HTML5 application with client/server architecture
- **Current version:** 9 (Gazelle)
- **Environment:** Runnable on 64-bit systems

## License model without runtime licenses

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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

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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 Standalone Runtime

- **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:** Only browser. Viewer not supported.

## Operating systems

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### Editor

- Windows from Win7 or Server from 2008 R2 > The .NET Framework 4.8 is required for the execution

### QuickHMI Standalone Runtime and QuickHMI Viewer

- Windows | Linux
- Running the QuickHMI standalone runtime and the QuickHMI viewer, requires the Java OpenJRE 12 or later

### QuickHMI-App

- Android App from version 4.4 (Kitkat)

### Browser (HTML5 enabled)

- Chrome from version 54
- Mozilla Firefox from version 46
- Opera from version 41

## Compatibility of PLC and other data sources

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- **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 ASCII
- **Allen-Bradley** "Control Logix" or "Compact Logix" PLCs via the Ethernet/IP protocol \*2)
- **KNX/EIB**
- **MQTT**-Protocol
- **SQL databases** using JDBC
- **Files from the file system** with the file system data source
- **Web service (json)**
- 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.

\*2) depending on firmware version

## Further functions at a glance

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- 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
- Email functionality
- Database queries
- Status variables
- Integration of your own corporate design
- 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