



ICONICS - ActiveX ToolWorX

AT Automation México Integradores Certificados de ICONICS



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Para obtener ayuda en determinar el producto que mejor se adecue a su proyecto, por favor póngase en contacto con nosotros a:

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Microsoft
Partner

2017 Partner of the Year Winner
Application Development Award



Designed for Use in Many Industries

For more than 30 years, ICONICS has developed leading-edge software tools for manufacturing, industrial, and building automation. ICONICS has shipped over 350,000 products that are installed in applications spanning the globe in various industries:



Automotive



Building Automation



Food & Beverage



Government & Military



Manufacturing



Oil & Gas



Materials & Mining



Pharmaceutical



Sustainability



Transportation



Utilities & Energy



Water & Wastewater

ICONICS Cross-product Features

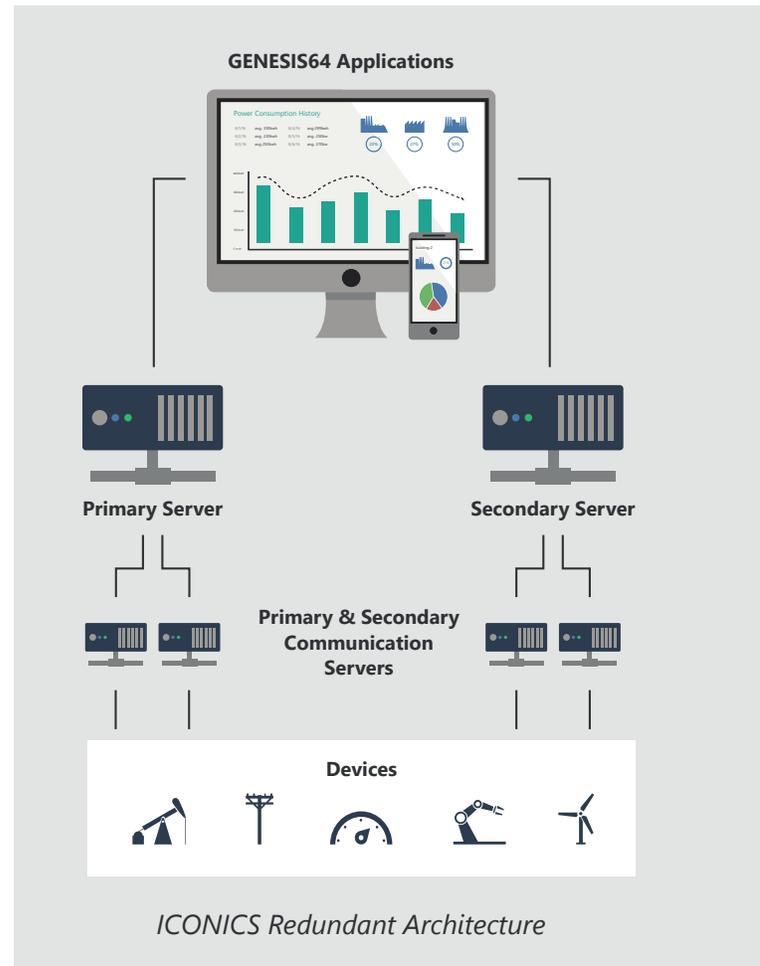


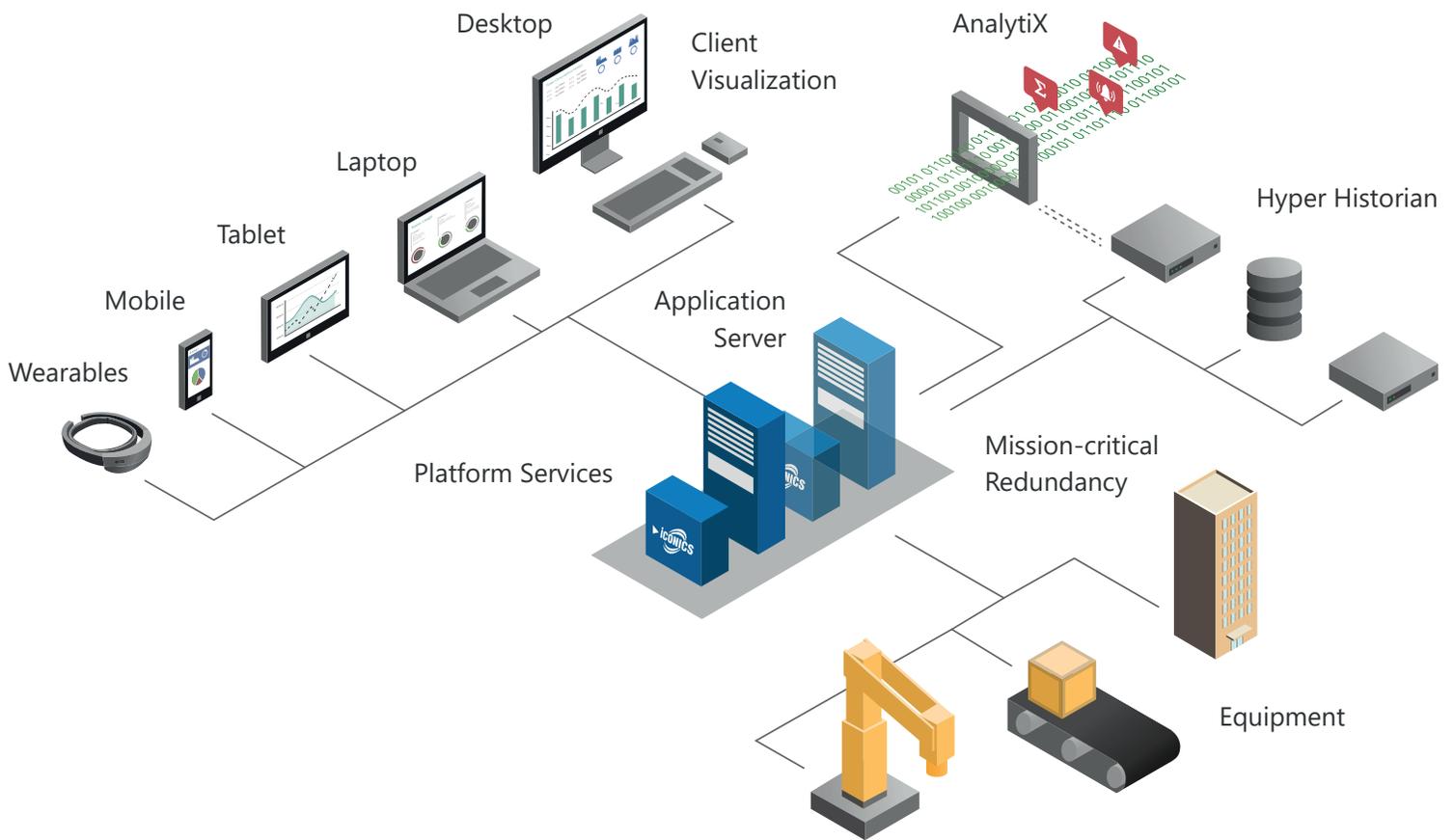
Advanced Visualization on Any Device

Bring the visualization of ICONICS to any device. Migrate desktop displays created in GENESIS64 from desktop to any mobile client. MobileHMI™ is a powerful app that provides a consistent user experience on any mobile device for GENESIS64 dashboards. WebHMI™ brings the capabilities of GENESIS64 applications to any HTML5 or WPF compliant web browser. Generate executive self-service dashboards utilizing preconfigured symbols from any mobile device with KPIWorX™. GENESIS64's responsive UI flawlessly transitions between clients to provide a consistent user experience.

Mission-critical Redundancy

ICONICS ensures the safety of any critical data by offering high availability redundancy for communication reliability. Redundant collectors and loggers serve as a backup in case of a system failure. With automatic fault detection and store-and-forward technology, GENESIS64 users can be assured that mission-critical real-time data, historical data, and alarm information are always available. ICONICS redundancy solutions are simple to configure, install, and deploy. ICONICS software redundancy covers all major aspects of data redundancy such as data access, historical data, alarms, and security.





ICONICS System Architecture

Powerful Centralized Configuration

ICONICS displays can be created using two powerful configuration tools. The Workbench is the multi-functional, centralized desktop or web-based environment for all back-end configurations making development more efficient and minimizing design time for any application. Offered in WPF, users can configure and manage their entire GENESIS64 application from anywhere.

Front-end user interfaces and dashboards are configured using the GraphWorX64 visualization module. Design HMI and SCADA displays leveraging 2D and 3D graphics, preconfigured symbols, dynamic properties, animation, and flexible aliasing.

Universal Connectivity

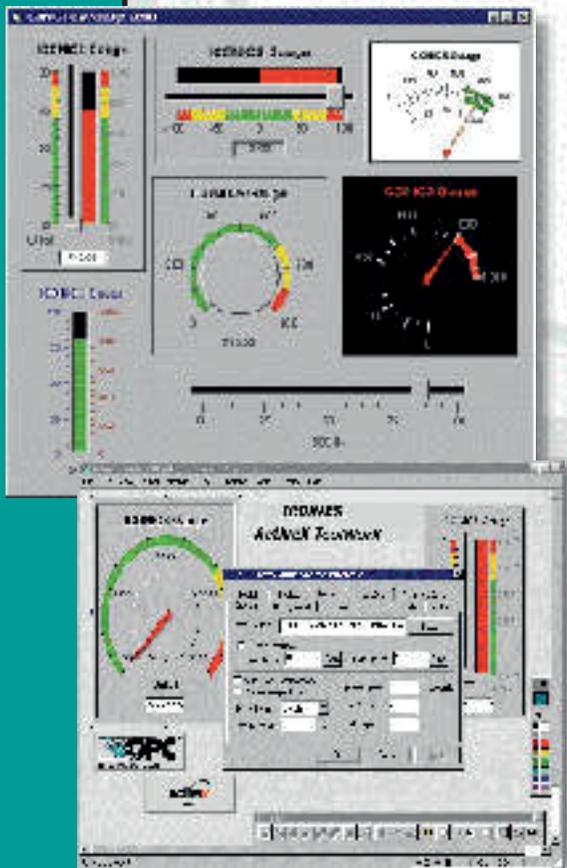
GENESIS64 supports industry standard communications such as OPC, OPC UA, Modbus, BACnet, web services, and databases. As the first 64-bit Advanced Workstation (B-AWS), GENESIS64 is certified by the BACnet Testing Laboratories, ensuring maximum integration with BACnet protocols such as BACnet objects, trends, and alarms. GENESIS64 is certified for OPC UA compliance by the OPC Foundation. Simple device discovery on the network makes integration seamless and efficient.



activex™ ToolWorX™

ToolKit for Rapid Development of OPC-Based HMI ActiveX Controls

“Develop professional ActiveX Controls for Industrial Automation with speed and ease!”



Create OPC Enabled HMI ActiveX Controls

Produce professional and robust ActiveX Controls with built in OPC Client capability.

Embed into any ActiveX Container

Create ActiveX Controls which plug into Visual Basic, HTML WEB pages, ICONICS containers, or any third party ActiveX Container.

Comes with Powerful ActiveX Test Container

Included in the ToolKit, is the powerful GraphWorX32 Container.

Create Realistic Looking ActiveX Controls

Merge professional looking metafiles, bitmaps and other graphics into your ActiveX Controls.

Universal OPC Connectivity

ActiveX Controls created with ToolWorX are OPC compliant and are enabled for fast, easy connectivity.

Comes with ActiveX ToolWorX Wizard

Automatically generate the framework source code for the creation of ActiveX Controls.

Includes Example ActiveX Source Code

Professional ActiveX Control examples speed development.

Powerful Animation Capabilities

Built-in animation capabilities enable the creation of dazzling ActiveX Controls.

Native User Interface Control

Provides controls for sliders, dials, alphanumeric data entry and buttons. Save months of development time in creating interactive, professional-looking ActiveX Controls.

Fast Dynamic Animation

Graphics change, color, resize, move and rotate as fast as 20 times a second.

Multi-Threading Design

Create high performance ActiveX Controls that use multi-threading.

Includes OPC Tag Browser

Powerful Tag Browser scans for local or networked based OPC Servers.

Scalable ActiveX Controls

ActiveX controls are automatically scaled to fit relative to the container.

Flicker Free Dynamic Updates

ActiveX uses proven drawing techniques for smooth drawing operation.



OPC Automation at your fingertips



activeX™ ToolWorX™

Create ActiveX™ Plug and Play objects with new industry standards!

ICONICS patent pending ActiveX ToolWorX™ for Rapid Development of OPC Compliant ActiveX Controls for Microsoft® Windows® 95/98 and Windows NT™ operating systems. ActiveX ToolWorX provides powerful wizards which allow the creation of OPC ActiveX Controls for use with ICONICS GraphWorX32 HMI / SCADA, Visual Basic, or any other third party ActiveX Container.

ActiveX ToolWorX™ is a fully compliant 32 bit OLE for Process Control (OPC) Client supporting the OPC Synchronous, Asynchronous and optional Browse communications interface. A unique Tag Browser function is provided to browse local or remote OPC Servers on the Internet or Intranet.

Based on ICONICS' extensive experience of creating HMI, SCADA and Control products for over 12 years and on its award winning GraphWorX32 product. ActiveX ToolWorX will allow hardware manufacturers, OEMs, System Integrators and End Users to create their own industry specific ActiveX Controls. ActiveX ToolWorX provides others the same high performance multi-threading capabilities and object technology found in ICONICS' own ActiveX Controls. Today, developing ActiveX Controls that are OPC Compliant, powerful, easy to use, multi-threaded and high performance takes considerable time. Thus, the availability of these ActiveX Controls has been limited. It is estimated that ActiveX ToolWorX can save from 4-6 months of development time in creating industrial OPC based ActiveX Controls. ICONICS plans to use this tool to create many industry specific ActiveX Controls for use with the Microsoft Internet Explorer and Visual Basic based applications.

Toolkit for Rapid Development of OPC-Based HMI ActiveX Controls

Create OPC Enabled HMI ActiveX Controls

Produce professional and robust ActiveX Controls with built in OPC Client capability. Use a complete set of drawing and animation tools to visually design ActiveX components. Create graphic objects using any combination of drawing tools (boxes, lines, circles, text, etc.) and add high performance animation effects and calculations. A robust programming interface provides developers with maximum power and flexibility. Use of extensive open object technology delivers an unprecedented level of performance, efficiency and ease of connectivity.

Universal OPC Connectivity

Connect using the universal industry plug & play connectivity standard. ActiveX Controls created with ToolWorX connect to any OPC server application; choose from those available from ICONICS or third party suppliers. Use the OPC tag browser to connect to PLCs, I/O, DCS Systems and standard fieldbus networks or via TCP/IP Ethernet. GraphWorX32 is fully Internet/Intranet enabled.

Embed into any ActiveX Container

Create ActiveX Controls that plug into Visual Basic, HTML web pages, ICONICS containers, or any third party product.

Comes with Powerful ActiveX Test Container

Use ICONICS' powerful GraphWorX32 HMI application to visually create and test your ActiveX Controls.

Comes with ActiveX ToolWorX Wizard

Use the time-saving ActiveX ToolWorX Wizard to automatically generate the framework source code for the creation of OPC-enabled ActiveX controls.

Includes Example ActiveX Source Code

Professional ActiveX Control source code example for the ICONICS Gauge/Meter Control is provided as a valuable reference for both basic and advanced programming techniques.

Powerful Animation Capabilities

ActiveX Controls created with ToolWorX use proven drawing techniques for fast, smooth animation and flicker free updates. Graphics change color, resize, move and rotate as fast as 20 times a second.

Native User Interface Control

Provides controls for sliders, dials, alphanumeric data entry, and buttons. Save months of development time in creating interactive, professional looking ActiveX Controls.

Multi-Threading Design

Create high performance ActiveX Controls based on Windows 95/98 and NT multi-threaded architecture.

ActiveX ToolWorX™ is the first commercially available tool for the rapid development of OPC compliant ActiveX Controls for industrial automation and will accelerate the use of OPC in factory automation. Comes complete with Visual C++ Wizards, extensive user documentation, OPC Tag Browser, and sample source code for the powerful ICONICS gauge/meter ActiveX Control.

ActiveX ToolWorX™ is based on Microsoft's standard for creating objects, which plug and play with ICONICS, Visual Basic, or any third party container using the Microsoft ActiveX container technology. ActiveX Controls are COM and DCOM objects and leverage Microsoft's Distributed Internet Architecture (DNA).

ActiveX ToolWorX™ comes complete with one user license of the OPC ToolWorX, a Toolkit for the rapid development of OPC Servers.

Create Dazzling Operator Interfaces and Visualization – Create a suite of the most powerful and reusable set of component OPC-enabled ActiveX Controls.

ActiveX ToolWorX™ is ideal for creating redistributable ActiveX objects and components. ActiveX Controls can be created that enable equipment manufacturers to perform specialized operations. ActiveX Controls can be used to perform hardware configuration, set up, diagnostics and hardware card configuration, visualization of key important process parameters and much, much more.

OEMs and Hardware Companies have created suites of reusable and redistributable ActiveX Controls. This provides customers with off-the-shelf plug and play standard industry software components that work with any powerful ActiveX container such as Visual Basic, HTML Web pages, or any third party ActiveX Container.



Choose any module or the complete suite for the ultimate Freedom of Choice in Automation Technology.

