



ICONICS - Genesis32

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

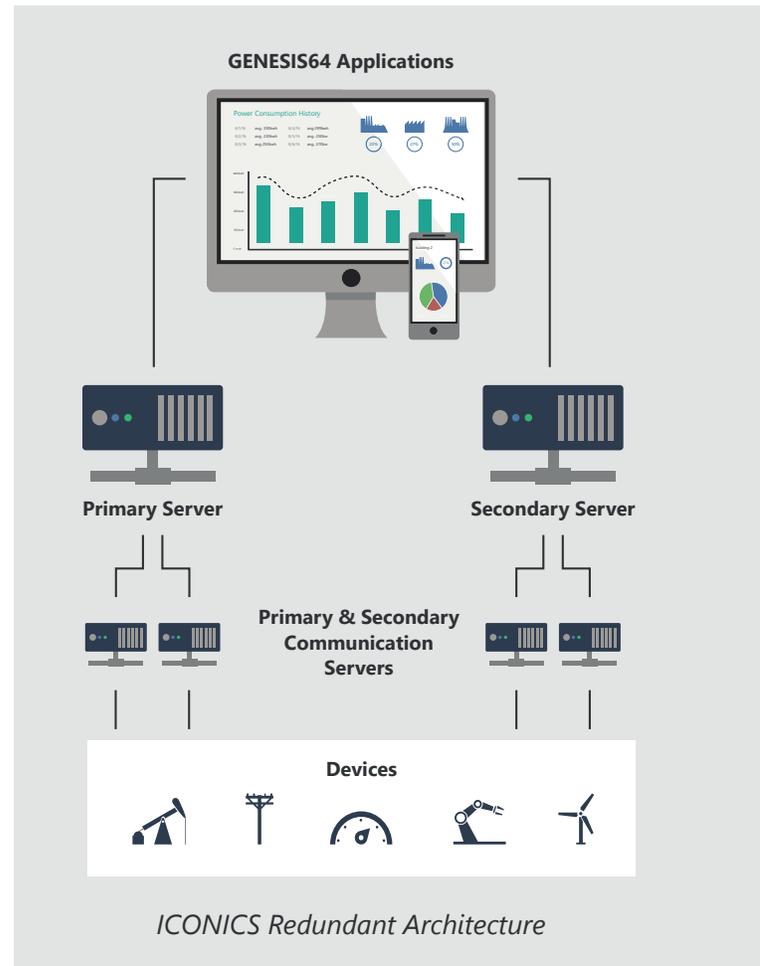


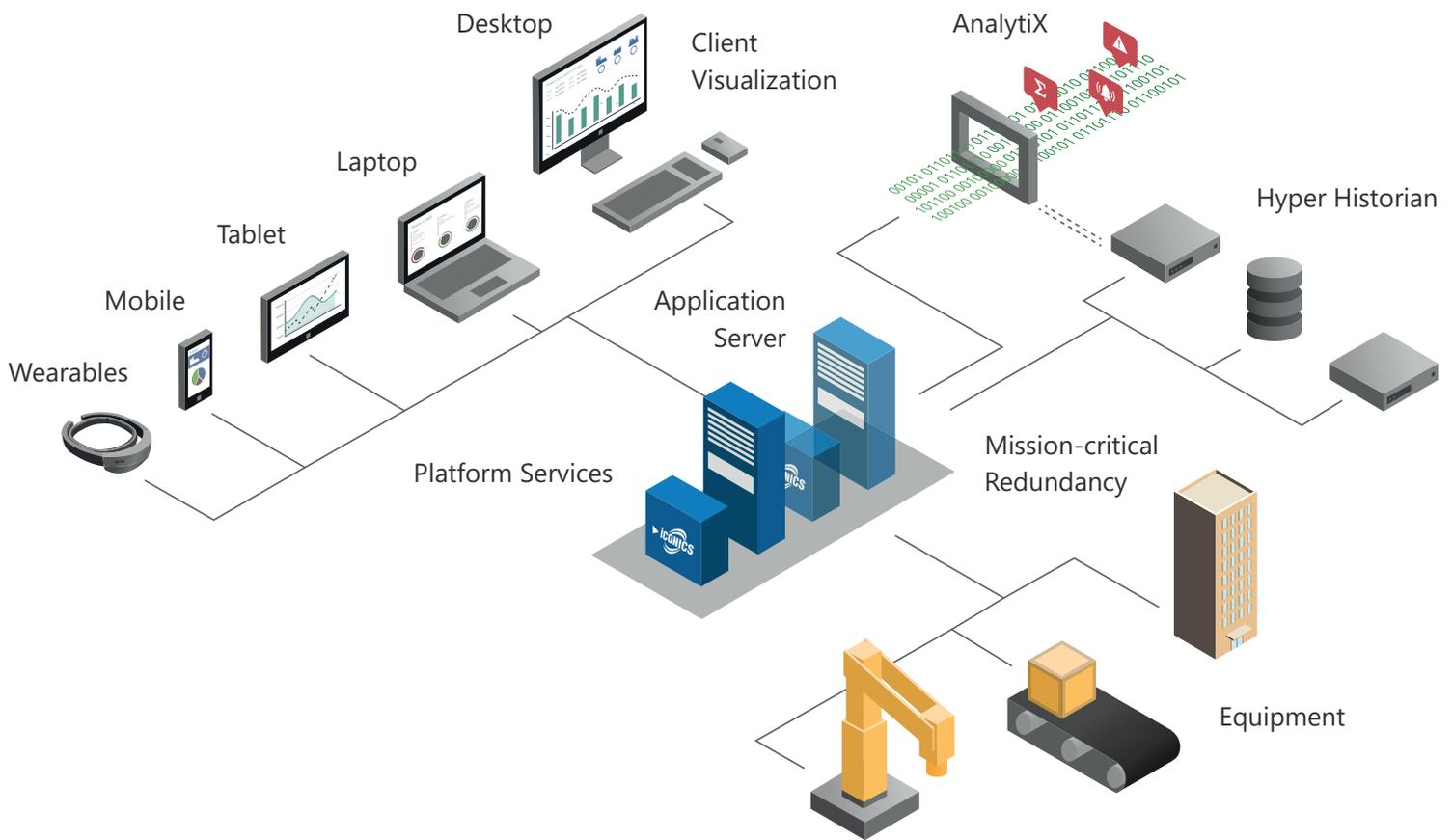
Advanced Visualization on Any Device

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.



Introduction

Today's plant operations are faced with the need to perform better and to be more competitive with less resources. For plant-level operations, today's systems need to connect to different infrastructures for data gathering and users need to analyze and visualize data in real-time.

The **connectivity** or aggregation needed today can come from a wide range of data sources including OPC and SNMP data, PLCs, plant historians and more.

To stay competitive you need to **analyze** your plant level information in real-time in order to make necessary production adjustments.

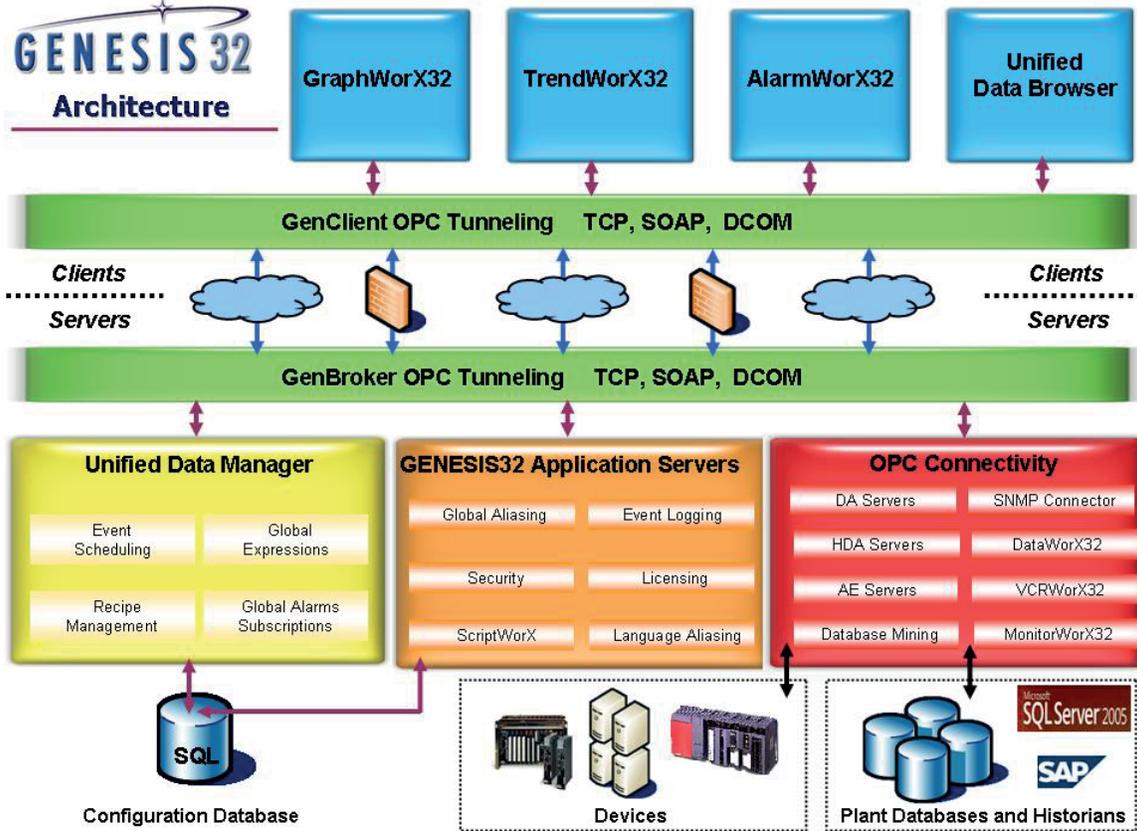
Visualization needs to happen across many platforms, such as dedicated operator stations, pocket and wireless devices and via web browsers.

GENESIS32

ICONICS GENESIS32™ is the industry's first and only fully scalable suite of OPC, SNMP, Web-enabled HMI and SCADA applications. Designed from the ground up to take advantage of the entire range of Microsoft® Windows® operating systems, the GENESIS32 Automation Suite delivers unparalleled performance and cost savings due to its design around open standards.

GENESIS32 V9.4 centers on easy and reliable integration of information from the most popular communication infrastructures. With V9.4 it is easy to connect to the core sources of information affecting manufacturing, including: IT infrastructures monitored by SNMP, plant floor infrastructure communicating over OPC, and enterprise infrastructures, such as SAP and Oracle, through real-time, intelligent data mining. The GENESIS32 HMI/SCADA software suite incorporates these infrastructures to provide the most flexible connectivity for machine builders, automotive, pharmaceutical, oil and gas, water, energy and utilities and many other applications. Several new products have been introduced, including new DataWorX™32 Redundancy, OPC Tunneling, MonitorWorX™32 and ScheduleWorX™32. This all-new version also incorporates powerful data-mining and integration technology that enables visualization and reporting of real-time or enterprise data sources, including Microsoft SQL Server, SAP, Oracle, plant historians, SNMP, and OPC data.

GENESIS 32 Architecture



NEW FEATURES AND BENEFITS IN GENESIS32

Features	Benefits
New WorkBench™32	Provides a centralized web-based environment for GENESIS32 configuration and monitoring with a Pack and Go feature for faster project deployment
New GENESIS32 Navigator	Unified runtime environment allows user to configure and monitor live and historical alarms in a unified environment with Tree control for tailored organization of system
New BACnet Connector	Built-in BACnet connectivity and browsing to BACnet devices and systems
Native SNMP Network Management	Add the ability to report on the status of Ethernet routers, switches, hubs, network printers or any other SNMP device Link SNMP data with your production data for valuable KPI, OEE, and downtime reporting
New MonitorWorX™32	Stay informed about the health and status of any application and component on your network with one centralized view
DataWorX32 Standard and Professional Editions	Purchase the OPC solution that fits your application from OPC Tunneling for 3rd party products to complete OPC redundancy
New AlarmWorX™32 Multimedia	Server alarms to Microsoft Live Communication server, new IP telephony applications and new marquees
New TrendWorX™32 SQL Query Engine	Provides a powerful SQL Query interface for the TrendWorX32 logger
Unified Data Manager	Easily configure recipes and schedules from one centralized configuration window
OPC UA (Unified Architecture)	Connectivity for Data Access clients and servers across LANs and WANs in an IT firewall-friendly way using Web services
New ScriptWorX™2010	Now run your VBA scripts as an Windows service and take advantage of using global OPC variables for faster application development
Certified SAP BAPI Support	Tap into your SAP enterprise system
New GraphWorX™32 Capabilities	Use the new tool bars and the new GUI look and feel to create larger graphic files
New Open Data-mining Technology	Connect to Microsoft SQL Server 2008, Oracle, Microsoft Access, ODBC, OLEDB, SAP and virtually any other database source