



ICONICS - GridWorX

AT Automation México Integradores Certificados de ICONICS



Líneas Directas

+52 (55) 4334 - 9242

+52 (55) 6584 - 9782

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

ventas@atautomation.com.mx

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

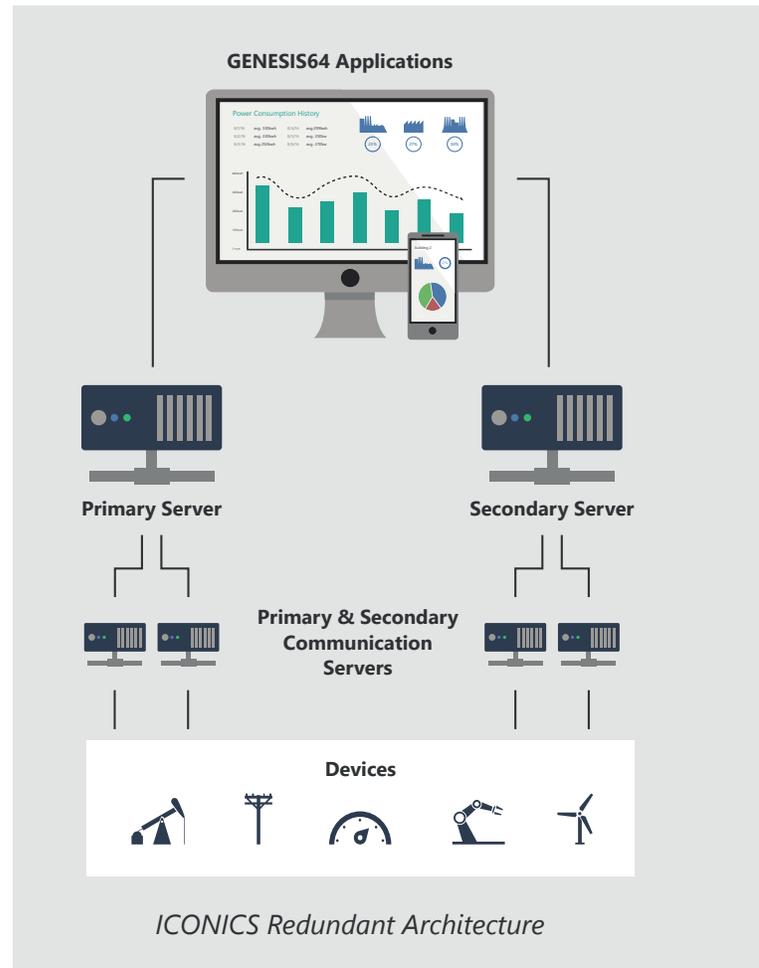


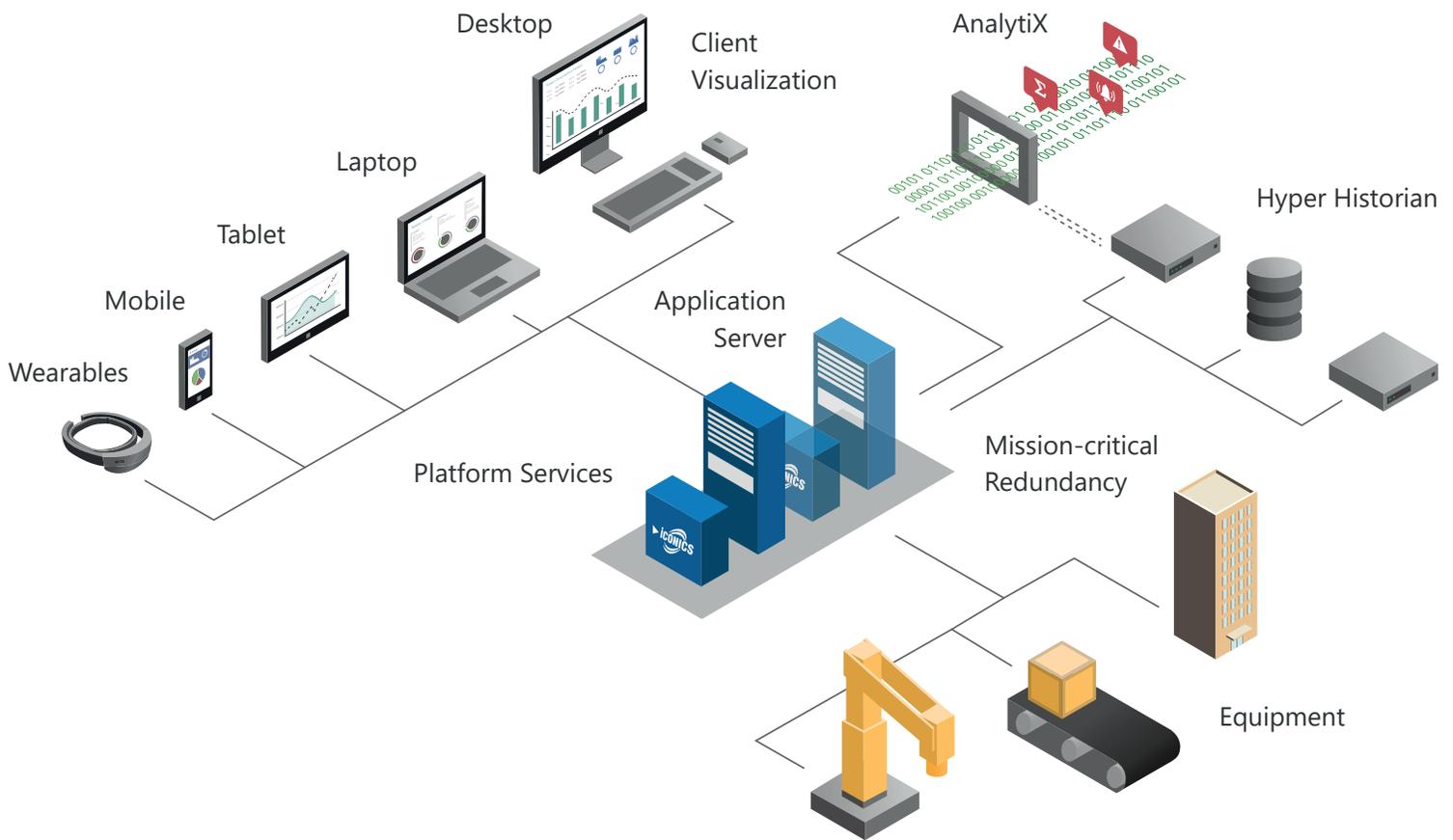
Advanced Visualization on Any Device

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.

GENESIS64

Product Introduction

GridWorX™

GENESIS64™

October 2015

When viewing a large amount of data, it's often helpful to align values into grids for spreadsheet-style visualization. With GridWorX, users can customize data sets and create large grid-based data visualization. Using the concepts developed with AlarmWorX64, TrendWorX64 and EarthWorX, the GridWorX control can be added to GraphWorX64 displays quickly and easily. With support for SQL Server, OLEDB (x64), ODBC (x64), Oracle (via ODP.NET) and SAP data, GridWorX is a powerful tool for visualization that saves time in development.

GridWorX Development

Organize your data simply and logically with GridWorX. Utilize the power of spreadsheet visualization with filtering and sorting of data in real-time. Configure dynamic data sources into grids easily and save on engineering time, while providing a powerful tool to your operators. Centrally configured in the Workbench, the data sets that drive GridWorX can be reused multiple times or updated via online change support. Add multiple grids and tabs or put grids next to each other to give the whole picture of operations.

Fac Desc	Status	Engine Speed	Suction Pressure	Discharge Pressure	Suction Temp	State
UNIT198	0	156.9	0	1106.8	68.1	Error
UNIT19A	0	180.6	0	1074.5	74.5	OK
UNIT19	0	158	0	1131.4	72.7	OK
UNIT20A	0	170.4	0	1114.8	78.6	Error
UNIT20B	0	185.5	0	1081	70.2	Uncertain
UNIT20C	0	162	0	1096.7	71.1	OK

Discharge Pressure	Suction Temp	Discharge Temp	Suction Temp	Availability ID	Location #ID
1105.8	88.3	118.7	92.7	181.2	Error
1094.1	71.3	110.7	83.5	182.8	OK
1111.4	72.7	111.6	80.9	156.9	OK
1134.6	70.6	109.3	88.4	182	Error
1081	70.2	117.4	92.8	171.8	Uncertain
1096.7	71.1	110.9	83.5	181.2	OK

GridWorX Operator Runtime

GridWorX natively supports read and write capabilities to allow operators to not just visualize data, but interact with it. Operators can view, sort, filter and group objects in real time. Sorting columns can bring the most important data to the operator and grouping can quickly create ways to visualize data in context of related data. Dynamic color changes can be included to increase the visibility of issues within data sets.



Specifications

Data Sources	
OPC	OPC DA, DB OPC (Matrix)
SQL	SQL 2005, SQL 2008
OLEDB	x64
ODBC	x64
SAP	
Oracle	ODP .NET
Array	Dataset
GridWorX Viewer	
Refresh	
<i>Manual</i>	Configurable
<i>Automatic</i>	Configurable (in milliseconds)
Maximums	
<i>Rows</i>	No Hard Coded Limit (Recommended: 1,000,000 rows)
<i>Columns</i>	No Hard Coded Limit (Recommended: 100 columns)
Changeable Style	Background, Foreground, Font Size, Font Weight, Font Family, Font Style
Row Data Formats	Boolean, String, DateTime, Int16, Int32, Int64, Double UInt16, UInt32, UInt64, OPC UA StatusCode
Support	
<i>Live Filtering</i>	Yes
<i>Live Grouping</i>	Yes
<i>Live Sorting</i>	Yes
<i>Read</i>	Yes (For Readable Points)
<i>Write</i>	Yes (For Writable Points)