

DataWorX™32

OPC Data Aggregation, Bridging, Redundancy & Tunneling

OPC Redundancy Without Programming

DataWorX™32 can be used with any OPC server or client, adding real-time OPC data management and redundancy to any application

Secure OPC Tunneling

Secure, transparent tunneling of OPC data, OPC alarms/events, and OPC HDA through firewalls, LANs, WANs, and the Internet

Powerful OPC Data Bridging

Easily bridge and connect any OPC DA server to any OPC DA server

Patented OPC Data Aggregation for Optimization

Greatly lowers network traffic by aggregating and optimizing server requests by clients

Compliant with OPC Data Access 1.0 to 3.0

Designed to provide the highest level of compliancy for OPC DA 1.0, OPC DA 2.0 and OPC DA 3.0 servers

No Programming Required

Easy to configure bridging, tunneling and redundancy applications. Greatly reduces cost of implementation

Guard Against Single Point of Failure

Easy-to-configure, 32-bit multi-threaded design eliminates single point of failure

Real-time Redundancy Status Monitoring

Status tag references and manual control switching to and from secondary servers with system tray alerts

Client & Server Side Redundancy

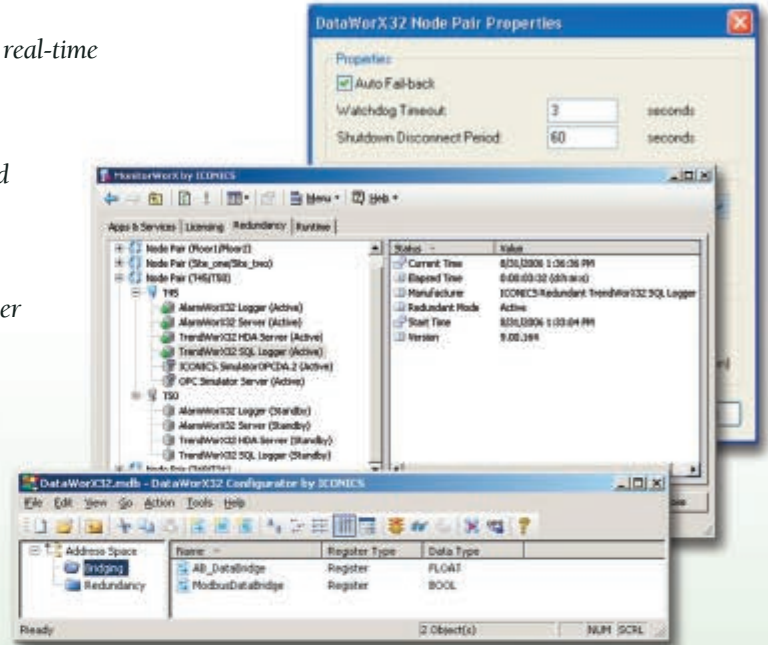
Seamless client transfer between redundant pairs with synchronized data management

Alarm, Trend and Data Logging Synchronization

Time synchronization between primary and secondary servers for real-time OPC alarm and trend data

Designed to Run as NT Service

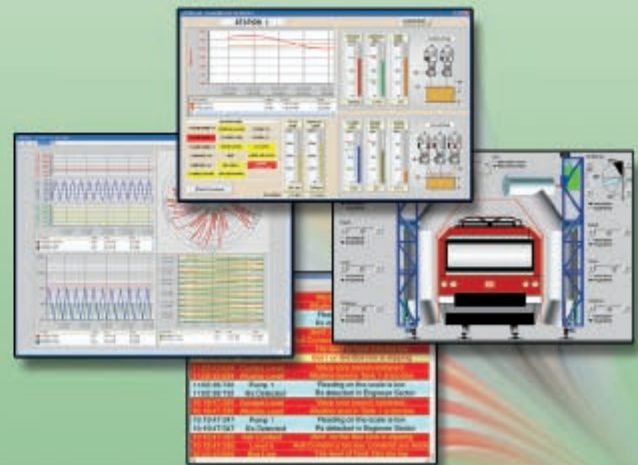
Select the right solution that fits: DataWorX Professional, or Standard



"The most complete OPC product for OPC Data Bridging, Aggregation, Redundancy, and OPC Tunneling without programming"



2008 ISV/SOFTWARE SOLUTIONS PARTNER OF THE YEAR-WINNER



Visualize Your Enterprise™



DataWorX32

Comprehensive OPC Bridging, Aggregation, Redundancy & Tunneling Software

DataWorX32 is a powerful, complete, 32-bit, multithreaded, OPC-compliant client and server application providing multiple functionalities.

Acting as a bridge between various OPC servers, DataWorX32 provides different OPC data channels. Once multiple I/O channels are established, DataWorX32 will switch between a primary PC (node) and a backup PC on the network. Should the primary PC become disabled, DataWorX32 can automatically switch to the backup PC.

DataWorX32 is a component of the GENESIS32™ product family, and it serves as a project-level data system for GENESIS32 applications.

ICONICS Markets Served

ICONICS has more than 250,000 systems running in over 40,000 plants worldwide. The following industries are benefiting from ICONICS solutions:

- Automotive
- Building Management
- Food and Beverage
- Oil, Gas and Chemical
- Machine Builders
- Pharmaceutical and Biotech
- Security
- Water and Wastewater
- Utilities
- Government Infrastructures
- Airport Systems
- Postal Systems
- And many more ...

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GENESIS 32

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



Visualize Your Enterprise™

OPC Data Bridging

DataWorX32 can pass information from one device on to another; for example, data from one brand of PLC shared with another I/O device. In the past, one would have to write programs to translate and move data from one server to another. DataWorX32 provides this server-to-server data exchange, serving as an "OPC bridge" between two or more servers. OPC bridging is a unique and powerful feature of DataWorX32, providing "bridging" between OPC servers of various types.

OPC Tunneling

DataWorX32 OPC Tunneling connects any remote OPC server to a client in a robust and secure manner, allowing for OPC server real-time data to be redirected to more than one location. The underlying technology behind OPC Tunneling is the patented ICONICS GenBroker™ communication, which provides high-performance and robust communication, replacing Microsoft® DCOM. DataWorX32 OPC Tunneling is completely OPC-compliant and is IT firewall-friendly, supporting communications over LANs, WANs and the Internet with built-in security. It is simple to install and deploy DataWorX32 OPC Tunneling technology to virtually any OPC application requiring remote and secure OPC communications.

Patented DataWorX32 OPC Tunneling Features

- Based on transparent open industry standards
- Secure, robust alternative to DCOM communication
- IT-friendly; communicates through firewalls and Network Address Translators (NAT)
- Supports TCP/IP and SOAP/XML communications protocols

OPC Data Aggregation

Often in very large projects, several OPC client applications request the same points from an OPC server. This may increase the load of the OPC server, having to provide the same data more than once. When multiple clients request data from an OPC server, DataWorX32 monitors the OPC server and aggregates the data to the requesting clients, greatly improving performance and significantly reducing network traffic.

DataWorX Redundancy

DataWorX32 provides 100% OPC server redundancy using OPC servers to any OPC client through the network without requiring any programming. Alternative machines can be designated as secondary servers, should a primary server go offline. DataWorX32 scans the OPC server status and switches to the secondary node in case of Primary node failure. This means when a primary server goes offline, DataWorX32 will default to the secondary server or servers.

Redundancy Key Features

- Hot, Warm and Cold failover policies
- Automatic failover
- Seamless client transfer between redundant server pairs
- Zero redundancy configuration required in client applications
- Connect to multiple OPC server pairs
- Server management information for OPC Data Access points
- Synchronized alarm management and alarm acknowledgement

MonitorWorX Status and Diagnostics Application

This powerful monitor application consists of a tree view showing the state of all server applications. The application monitor provides a vehicle for manually switching to standby applications. In the event of a failure, the application monitor will automatically pop up revealing any failed application or component.

Select the Configuration that is Right for You

DataWorX32 comes in different configurations that allow you to scale the right OPC solutions for your application. DataWorX32 Standard allows OPC Data Aggregation, OPC Data Bridging, OPC DA Redundancy, secure OPC Tunneling, OPC AE Tunneling, OPC Data Bridging, and OPC Aggregation. DataWorX32 Professional adds Store & Forward technology, as well as OPC HDA Logged Data Redundancy (requires pair) and OPC AE Logged Data Redundancy (requires pair).

100 Foxborough Blvd. Foxborough, MA 02035 USA • E-mail: info@iconics.com Web: www.iconics.com
United States, Tel: 508 543 8600, Fax: 508 543 1503 • Australia, Tel: 61 297 273 411, Fax: 61 297 273 422
China, Tel: 86 130 684 86069 • Czech Republic, Tel: 420 377 183 420, Fax: 420 377 183 424
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India, Tel: 91 22 67291029, Fax: 91 22 67291001 • Italy, Tel: 39 010 46 0626, Fax: 39 010 65 22 187
United Kingdom, Tel: 44 1384 246 700, Fax: 44 1384 246 701

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