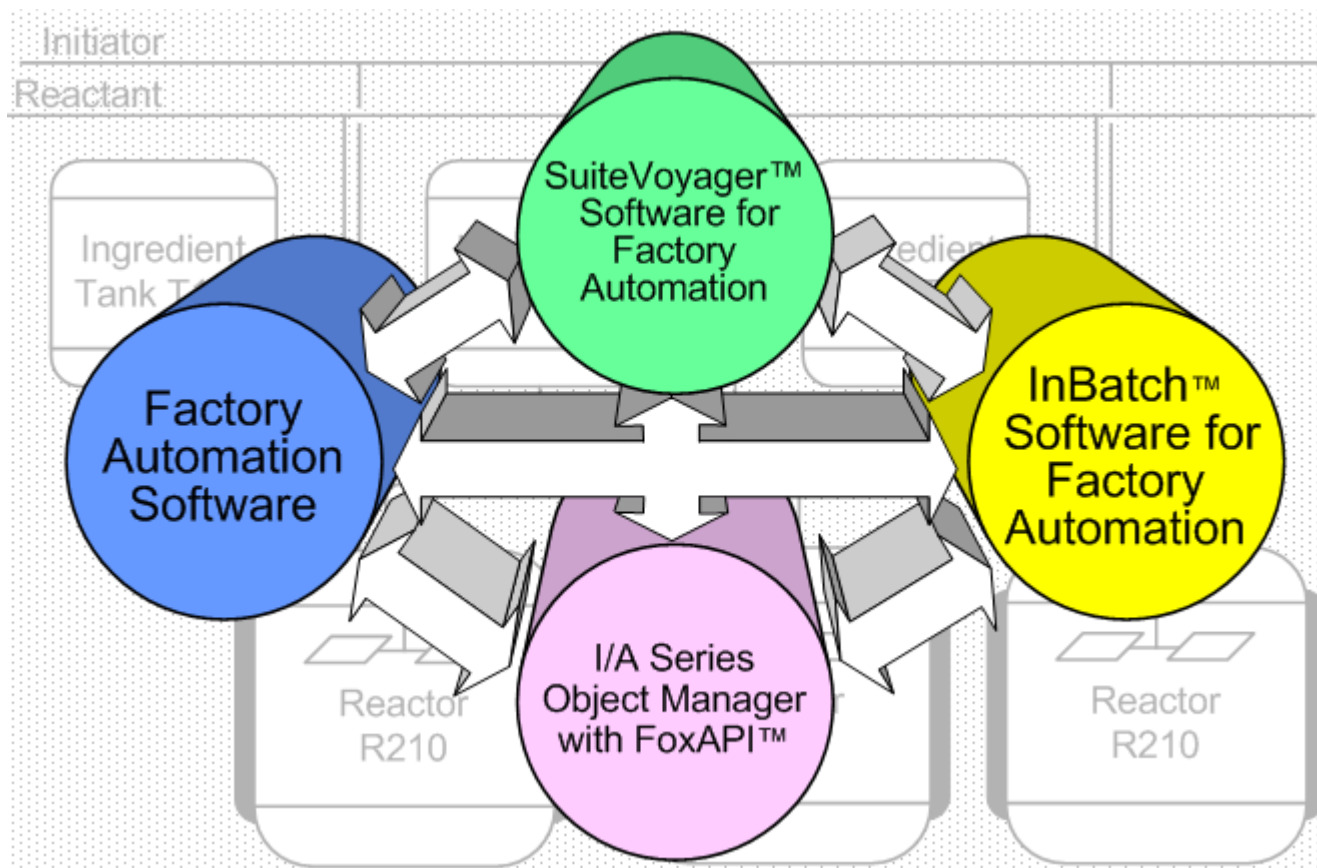# I/A Series® Software
Factory Automation Software
(Windows NT® Operating System)

For Sensor-to-Boardroom^{SM} solutions for automated control systems (continuous and discrete control), you can integrate Wonderware® software with WINHST and WINAPP I/A Series workstations for Windows® connected to I/A Series control stations such as Micro-I/A stations. Wonderware software allows you to collect, view, store, control, analyze and manage plant information.

I/A Series WINHST and WINAPP software provides:

• Hosting services (WINHST only) for I/A Series control stations to configure, download, and upload software applications and databases to any control domain station

• System Management software for monitoring the health of the control system and managing equipment in the system

• FoxAPI™ and Object Manager for bi-directional data communications between Wonderware software and I/A Series control stations.

The Wonderware software provides:

• Visualization software for viewing process and production information in real time including rapid application development features

• Windows-based software for connecting to control devices and/or instruments

- Application software for batch management

- Powerful, real-time factory historical database for providing a single source of process control and business system data

- Versatile client tools for analysis and presentation of historical, alarm and event information

- Integrated alarm system and log database for prompt operator response

- Web portal for remote viewing over the Internet or company Intranet.

Well-integrated, easy-to-use functions within this software provide the information required for increased plant productivity.

SOFTWARE LICENSES

I/A Series Workstation for Windows Software Licenses

I/A Series station for Windows software licenses with boot hosting include:

- WINHST Ethernet
- WINHST Nodebus

I/A Series station for Windows software licenses without boot hosting include:

- WINAPP Ethernet
- WINAPP Nodebus

For information on the above licenses, refer to Windows Host and Application Station Software V6* (PSS 21S-1B5 B4).

I/A Series Configuration and Operation Software Licenses

The I/A Series configuration and operation software licenses are:

- SFC/ST Configurator and Display Manager
- FoxCAE™ Engineering Package for Windows

For information on the FoxCAE software and SFC/ST software, refer to:

- Sequential Function Chart/Structured Text (SFC/ST) Configurator and Display Manager (PSS 21S-4V2 B3)

- FoxCAE Engineering Package for Windows (PSS 21S-7A1 B3).

Wonderware Software Licenses

Wonderware bundled software licenses are:

- Factory Automation Bundle
- SuiteVoyager™ Basic Portal

WONDERWARE SOFTWARE

Factory Automation Bundle

The Factory Automation Bundle includes the following Wonderware software components:

- InTouch® 60K Tag Development and Runtime with I/O capability, which includes:

  – SPC Pro
  – SQL Access
  – Recipe Manager
  – Distributed Alarm Subsystem
  – Productivity Pack
  – Crystal Reports Professional
  – WonderLink I/O Server
  – I/O Servers including OPCLink

- IndustrialSQL™ server (500 Tag), which includes:

  – IndustrialSQL Configurator and Clients
  – Microsoft® SQL Server 7.0
  – Microsoft SQL Client Access License (CAL)
  – WW Databases Client Access License (CAL)

The Factory Automation Bundle is an integrated set of software components for automating continuous and discrete manufacturing plants. These components allow you to collect and manage production information, visualize and analyze the process, and control machines and processes. With the Factory Automation Bundle, you can access all the information you need to manage your plant for increased productivity.

The Factory Automation Bundle includes run-time and development capabilities for the listed features.

InTouch Software

InTouch software is the window to all your control and information resources. It enables operators, engineers, and managers to view and interact with plant operations via graphical views of their production functions. InTouch software performs visualization, data access, interfacing to external devices, and alarm handling, and it can host many third-party ActiveX® interfaces.

InTouch software is Internet-enabled; applications can connect to the factory databases via an Internet connection. InTouch runtime and development are included in the Factory Automation Bundle license. InTouch runtime only licenses are also available. For information on InTouch licenses refer to Applications for Factory Automation (PSS 21S-1B7 B4).

For more information about InTouch software, refer to Wonderware Data Sheet PN 15-0005.

IndustrialSQL Server and ActiveFactory Software

IndustrialSQL™ server is an historian that acquires plant data at high speed with efficient data compression. It integrates plant data with event, summary, production and configuration information. IndustrialSQL server offers a common SQL interface for developing business applications.

ActiveFactory™ client applications utilize the services of IndustrialSQL server to provide:

- Trending analysis of data over time

- Numerical analysis of data and correlation with events and alarms

- Comprehensive data reporting

- Access to plant historical and real-time information using the Intranet/Internet.

For information on IndustrialSQL™ and ActiveFactory™ licenses refer to Applications for Factory Automation (PSS 21S-1B7 B4).

For information on capabilities of IndustrialSQL™ server, refer to Wonderware Data Sheet PN 15-0014.

For information on capabilities of ActiveFactory™ software, see Wonderware Data Sheet PN 15-0069.

InBatch Software for Factory Automation

InBatch™ for Factory Automation adds flexible batch management capability to the Factory Automation Bundle.

InBatch™ software allows you to manage batch operations. You can easily create recipes and simulate their execution against a model of the process, then commit the recipe to actual production. InBatch software also provides complete production history and material genealogy and is compliant with the ISA S88.01 standard and has been designed for use in validated processes that must comply with FDA 21 CFR Part 11 specifications. For more information on InBatch software licenses, refer to InBatch™ Software for Factory Automation (PSS 21S-1B8 B4).

For more information on capabilities of InBatch software, refer to Wonderware Data Sheet PN 15-0007.

SuiteVoyager™ Web Portal Software

SuiteVoyager™ software provides a Web portal that facilitates access to InTouch process graphics, IndustrialSQL server historian data, and InBatch data from a Microsoft Internet Explorer™ web browser.

A portal is a web site that provides secure access to industrial applications making it easier for the user to find information. With SuiteVoyager Web Portal, businesses can not only provide information to process operators and supervisors, but also provide summary, analysis, and status information required for business operations.

SuiteVoyager Web Portal provides the framework for organizations to deliver information to users, including executives and production line workers, as well as sales forces and branch offices. Using a web browser on the Intranet/Internet, people at any level of an organization can quickly view information required to increase productivity and reduce cost.

For more information on SuiteVoyager™ licenses, refer to SuiteVoyager Software for Factory Automation (PSS 21S-1B9 B4).

For more information on capabilities of SuiteVoyager™, refer to Wonderware SuiteVoyager Data Sheet PN 15-0070.

SOFTWARE INTEGRATION

Wonderware software seamlessly integrates with I/A Series system control stations and gateways on Ethernet and Nodebus control networks.

Data connectivity to I/A Series system control stations and gateways is achieved for Wonderware software via connections to the I/A Series Object Manager using FoxAPI™ software. WonderLink™ I/O Server is the interconnectivity application that interfaces FoxAPI software with Wonderware's SuiteLink™ and NetDDE protocols on Ethernet.

Wonderware software may be installed on I/A Series WINWRK stations or on compatible COTS (commercial-off-the-shelf) computers. On the WINWRK station, which does not run Object Manager, WonderLink I/O Server provides Ethernet network connectivity to WINHST and WINAPP stations, and other I/A Series workstations. Refer to the referenced Wonderware product data sheets for minimum system requirements for COTS computers.

LICENSING

Wonderware software is installed on a WINWRK station or a COTS computer and is enabled by a software license. Licenses are available for run-time operation and for combined run time and development. Licenses are required for each station that runs the selected software component. There are concurrent use licenses available for SuiteVoyager™ and ActiveFactory™ software which permits multiple users to connect by network to a COTS server computer running those applications.

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