

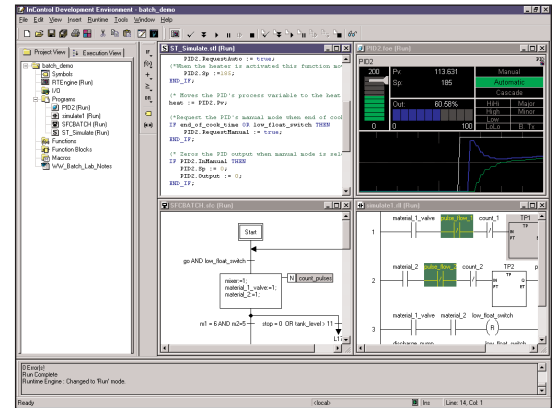


Windows[®] NT[™]-Based, Real-Time Control System InControl[™] 7.1

Product Position

InControl[™] provides a more capable and often lower-cost alternative than PLCs. Compared to PLCs, InControl, running on an open system, offers a more robust control package, more open connectivity and more sophisticated logic capabilities to handle complex discrete and batch processes. InControl offers greater overall capacity compared to micro PLCs, and lower cost-per-point than mid-size PLCs.

InControl expands your control capabilities with support for Embedded Windows[®] NT[™] based RunTime Engines, ActiveX-based Factory Objects such as PID and custom user controls. With distributed Control based on DCOM[®], IEC61131-3 compliant editors and standard Ethernet communication features, InControl allows you to tailor a control system to meet your exact application requirements.



Applications

InControl provides an integrated control solution that replaces proprietary control systems with open architecture NT-based control, providing a lower cost control architecture with integrated connectivity, powerful processing capability, and easy expandability.

OEMs can especially benefit from the connectivity to multiple I/O systems, flexible editors and ActiveX capabilities. Process applications benefit from distributed runtime engines, powerful PID, simulation tools and high I/O count. For machine control applications, InControl provides embeddable, real time discrete control and flexible ActiveX technology.

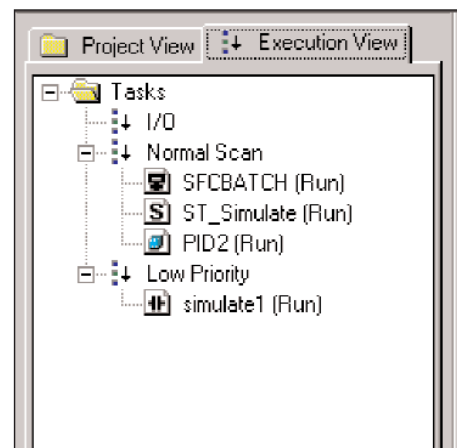
InControl 7.1[™]

PRODUCT DATA SHEET

*InControl[™] is a
Windows[®] NT[™]-based,
real-time,
open architecture
control system*

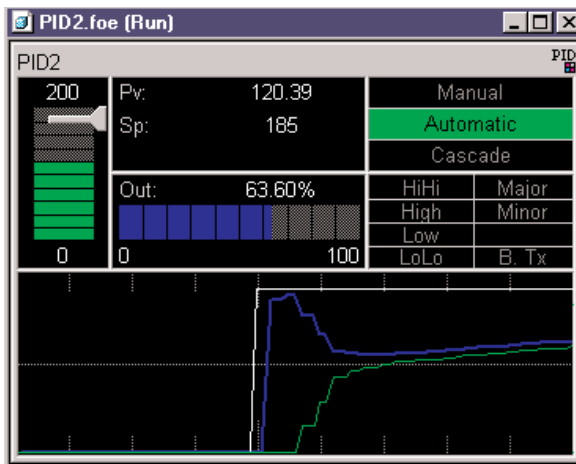
Metrics

InControl offers unparalleled performance using Microsoft NT real time capabilities. In fact, InControl can execute a PID loop in less than 10 microseconds or 1000 lines of logic in a ST or RLL program in less than 1 millisecond on a Pentium Pro 200 computer.



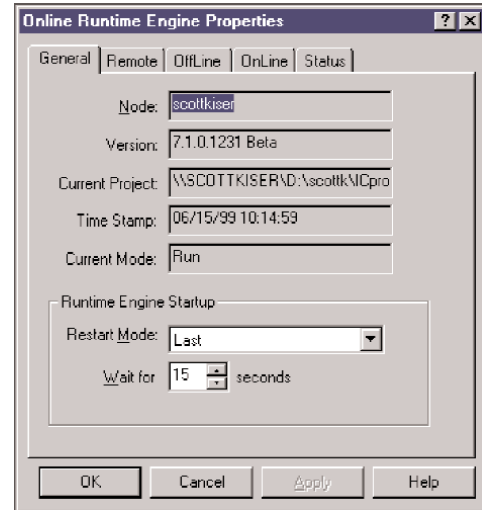
Features and Benefits

- **NT-Based.** InControl is based on native Microsoft NT, taking full advantage of all the real-time and extensibility capabilities NT provides. InControl supports distributed control via DCOM, with peer-to-peer communication built into the product.
- **Open Architecture.** InControl can be used on any platform that supports the Microsoft Windows NT operating system, including flat panel industrial workstations, SMP servers and open industrial controllers.
- **PID Factory Object.** For 7.1, the PID has been enhanced with run-time visualization to provide a strip chart recorder functionality to simplify loop tuning while developing applications.

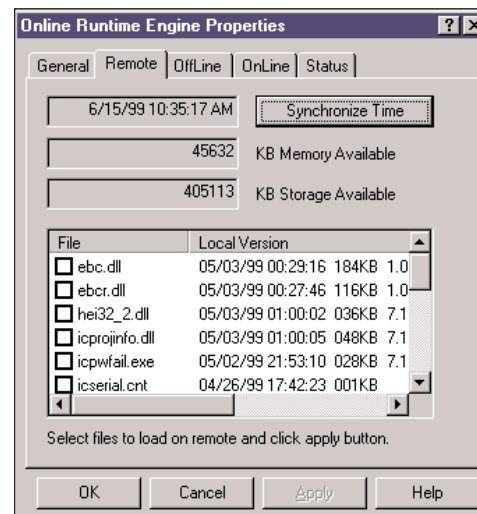


- **I/O support.** InControl supports popular I/O interfaces for Open Device Network Interfaces as well as legacy I/O systems:
- **International Standards.** InControl is compliant with: IEC 61131-3, OMAC and Open Device Network Interfaces.
- **Online Features.** InControl supports a variety of online monitoring and editing capabilities including Monitor Process status, Force I/O, Online Editing, Power Flow Highlighting, Simulation and Debugging.
- **Extensible ActiveX Factory Object Support.** Create your own custom algorithms in Visual Basic or C++ and call them from InControl as an ActiveX object. Now enhanced with on-line run-time visualization of OCXs.
- **New Factory Objects.** Lead/Lag, Derivative.
- **Updated Editors.** User-selectable fonts, improved printing

- **ST Text Editor.** New ST editor provides stand-alone scripting and enhances SFC editor capabilities as well.
- **User-Definable Functions and Function Blocks.** New for 7.1 is the ability to create Functions and user-defined Function Blocks. You can create an ST Function or Function Block. These can then be called from within other programs and functions.
- **Retentive Memory.** New for 7.1, the retentive memory feature provides the ability to store variable information on a time or event basis.
- **Enhanced Runtime Engine.** More reliable than ever.



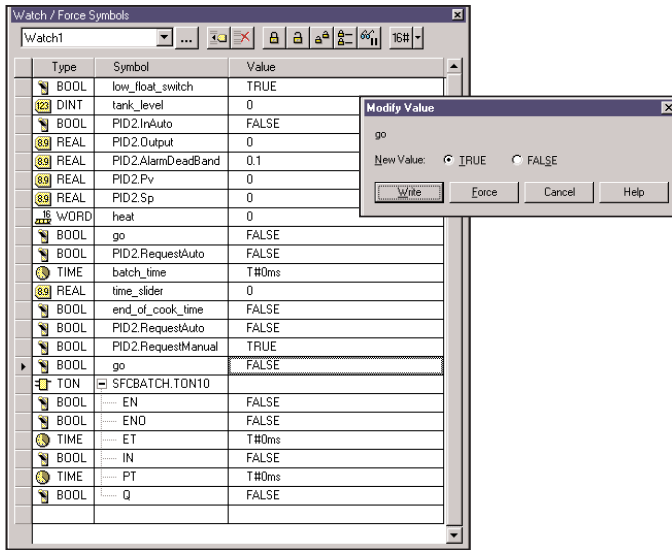
- **Distributed Control Capabilities.** Connect to any remote NT Runtime engine, edit and download programs and monitor status all from a central development station.



- **Simulation Capabilities.** Provides tools for simulation of real world processes to debug and optimize applications.



- **Watch Window.** Updated with new features and now available to use as a standalone application to monitor variables and debug your InControl applications.



Ease of Use

InControl can be programmed using user-friendly Relay Ladder Logic (RLL), Sequential Function Chart (SFC) and Structured Text (ST) editors and can utilize popular, low-cost I/O from a variety of open I/O systems and leading PLC vendors. Plus, you can easily upgrade existing FactorySuite 2000 InControl NT applications to support embedded InControl applications.

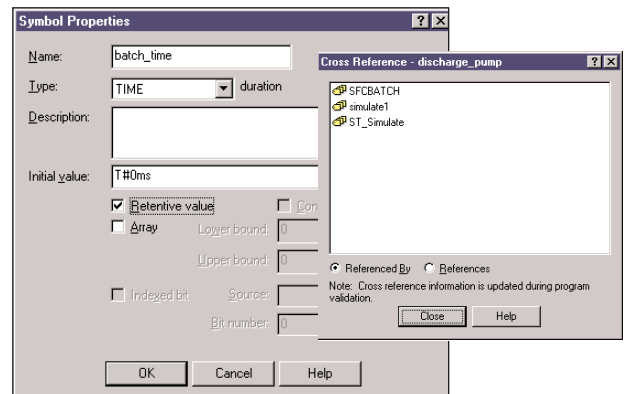
When connected to the Wonderware FactorySuite, the InControl system also offers the advanced operational and real-time information capabilities of FactorySuite, plus powerful plant networking capabilities for “sensor to boardroom” integration. With its modular design and Wonderware’s exclusive SuiteLink communications, InControl offers a degree of flexibility and scalability that is unmatched by any other PLC or soft logic package.

- **Integrated Tag Browser.** One-time tag definition for FactorySuite, tag export/import.
- **Peer-to-Peer Connectivity.** Integrated SuiteLink client and server capability to connect to any InTouch server or to another InControl application.

Integration with FactorySuite™ 2000 Components

Like all Wonderware® products, InControl is tightly integrated with InTouch® and the rest of the FactorySuite, providing unprecedented power and productivity to the industrial world. InControl is a core technology component of FactorySuite™. It is the control component that executes real-time control logic, connects to factory floor I/O, provides simulation capabilities and is a data server to the FactorySuite. It is a scripting engine for InTouch, phase logic engine for InBatch™, and data server for IndustrialSQL Server™ or InTrack™.

The integration begins with installation; it goes on to common tagname browser where, with remote referencing from InTouch, you can define a single database base in InControl and easily reference any or all tags from InTouch. SuiteLink client and server connectivity provides seamless inter-suite communication. Finally we have a powerful set of tool in InTouch that let you easily control InControl’s Runtime Engine and have direct access to InControl Programs, Projects and Tagnames.



Connectivity

DeviceNet, Profibus DP and PA, ASI, SDS, GE90/30, GE Genius, PCDIO, DDE, AB KTX (AB RIO), A-B Open Controller, Interbus-S Gen III & IV, Automation Direct Ethernet, IndustryPack, Opto22 PAMUX and OPTOMUX and SuiteLink Client.

Specifications

Hardware Required:

For NT Development and Runtime systems: Pentium processor-based system (Pentium II 200 MHz processor recommended), Supports SMP systems, with 32 MB RAM (64 MB recommended if running concurrently with InTouch), and 50 MB of hard disk space (typical installation), 25 MB (compact installation). Runtime only installation requires <2 MB hard disk space.

O/S Required:

For Development Systems: Windows NT operating system (Release 4.0 SP5).
For Runtime Systems: Windows NT operating system (Release 4.0 SP5).



© 1999 Wonderware Corporation. All rights reserved. Wonderware and InTouch are registered trademarks of Wonderware Corporation. Wonderware FactorySuite, InTrack, IndustrialSQL Server, InBatch, InControl, Web Server and FactoryOffice are trademarks of Wonderware Corporation. Microsoft is a registered trademark of Microsoft Corporation. All other trademarks are the property of their respective owners.

Contact Wonderware or your local Distributor for information about software products for industrial automation.
Wonderware Corporation • 100 Technology Dr. • Irvine, CA • 92618 • Tel: (949) 727-3200 • Fax: (949) 727-3270
www.wonderware.com