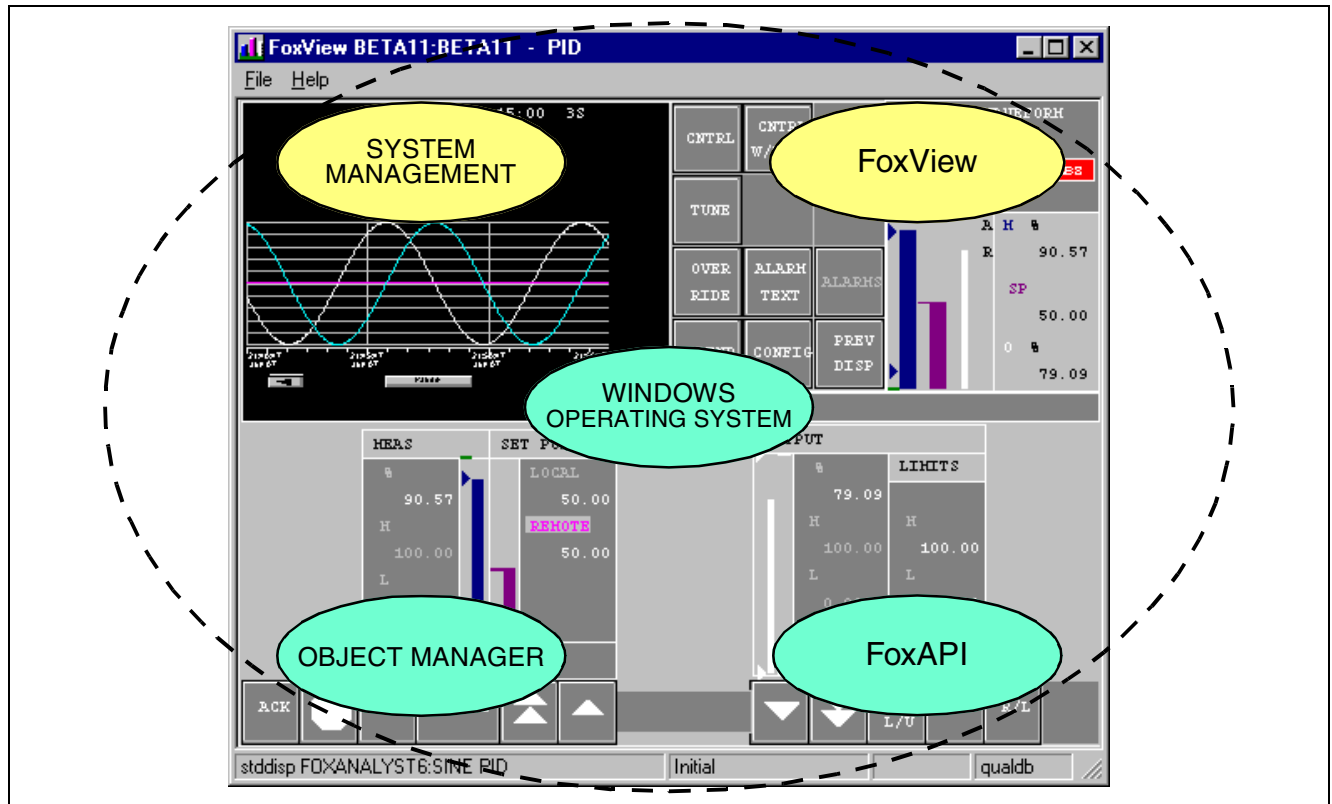


I/A Series[®] Software

Windows[®] Host and Application Station V6* (WINHST & WINAPP) (Windows NT[®] Operating System)



OVERVIEW

Versatile WINHST and WINAPP software on workstations for Windows provides scalable automation and control interface solutions matched to the requirements of systems utilizing I/A Series Nodebus or Ethernet networks. The WINHST and WINAPP software installs on the I/A Series Workstation Model P93 for Windows. This workstation can interface to I/A Series control stations, programmable logic controllers (PLCs) and other devices (refer to PSS 21H-4D12 B4).

When connected to I/A Series control stations such as Micro-I/A[™] control stations, a workstation with either a WINHST or WINAPP license supports a wide range of process control requirements, ranging from relatively simple data acquisition through elaborate sequential and batch control systems.

Features

The WINHST and WINAPP software includes:

- Boot host services are provided for managing control stations such as Micro-I/A stations, control processors, integrators, and other stations. These services configure, download, and upload software and databases to/from any control station or integrator in a control domain (WINHST license only).
- System Management software is used for monitoring the health of the control system and managing control system equipment.
- Compound and block detail displays are included software for access to parameters of compounds and blocks of control stations.

- Application programming interface (FoxAPI™) provides the capability for integration of the I/A Series software with numerous synergistic third-party control and information applications.
- The I/A Series software supports data connections to a broad range of application software such as other Foxboro applications plus Wonderware®, third-party, and user-developed software.
- I/A Series software interfaces with corporate networks at a local or world-wide level utilizing Ethernet and standard network protocols such as TCP/IP.

OPERATING SYSTEM

The Windows NT® operating system supports the powerful family of 32-bit Pentium® processors. It is included with the workstation hardware and provides true pre-emptive multi-tasking with prioritized processes, ensuring timely and efficient response to events.

File management functions enable storing, retrieving, and manipulating system data files. The Windows operating system supports access to files on attached disk or other bulk storage devices, and remote stations running the Windows operating system. Additionally data exchange with UNIX based workstations is facilitated through the Ethernet networking features of the Windows operating system.

STANDARD WORKSTATION SOFTWARE

The standard I/A Series workstation software for WINHST and WINAPP software includes:

- System Management
- FoxView
- FoxAPI™ Software
- X-Window Server Software.

NOTE

Alarm Manager is not covered by the WINHST or WNAPP workstation license.

System Management

System Management is a distributed software system that comprises the following subsystems:

- Network Fault Detection
- Software Manager
- Station Manager
- Graphical System Management Displays.

The System Management displays monitor the health and performance of the network and all stations on

the network, including peripherals and communications equipment. The displays also contain options for acknowledging system alarms, testing cables, downloading databases, and more.

Graphical and textual displays of station status and alarm conditions are provided. Equipment status and alarm information facilitate monitoring the health of specific equipment in the system as well as the system as a whole.

Equipment change options enable rebooting a control station or placing it on-line or off-line (WINHST only).

Date and time functions allow setting the system date and time.

FoxView™ Software

FoxView graphical operator interface software provides the I/A Series operating environment with a Windows look-and-feel. FoxSelect allows you to navigate to pre-built block detail displays that provide a dynamic and interactive view of detailed parameters of compounds and blocks.

FoxView software segregates access to the overall operating environment into subsets according to the type of user. Process engineers and software engineers have authorization for access to specialized functions and databases suited to their specific requirements while process operators are restricted to process control data views and operator commands.

A license for the graphical user interface development application, FoxDraw™ is available separately. FoxDraw is not covered by the WINHST or WINAPP workstation license.

FoxAPI™ Software

FoxAPI software supports the interfacing of user application programs with the I/A Series control system. It insulates user applications from re-engineering as a result of control station changes.

FoxAPI function calls provide connection-based read and write access to I/A Series data objects. I/A Series Object Manager services perform change-driven reads and writes of I/A Series data objects thus network traffic is reduced.

X-Window Server Software

The included Hummingbird Exceed™ software allows applications on UNIX® platforms to be readily accessed by WINHST or WINAPP workstations.

LICENSES AND MEDIA KITS

Each I/A Series workstation license authorizes the installation of I/A Series software components on a single computer for operation of the licensed features. Licenses describe the software components that are authorized to run on each individual workstation. A license is required for each workstation. There are two distinct WINHST licenses and two distinct WINAPP licenses.

Each media kit includes all of the software required for installation on the workstation hardware to make it a fully functional WINHST or WINAPP workstation depending upon the purchased license. Electronic documentation is included in the media kits.

MEDIA KITS

The two media kits are:

- I/A Series Ethernet SW for Windows® Media Kit
- I/A Series Nodebus SW for Windows® Media Kit

LICENSES

WINHST Licenses

The two WINHST licenses are:

- Host Station for Windows (WINHST) V6*
Software Ethernet License
- Host Station for Windows (WINHST) V6*
Software Nodebus License

Each license provides the following:

- Runs on Windows NT® 4.0 Service Pack 5 operating system (supplied with workstation hardware)
- System Management
- Integrated Control Configurator (ICC)
- Hummingbird Exceed X-Window server software
- Compound and block detail displays
- I/A Series Object Manager services
- FoxAPI application programming interface

WINAPP Licenses

The two WINAPP licenses are:

- Application Station for Windows (WINAPP) V6*
Software Ethernet License
- Application Station for Windows (WINAPP) V6*
Software Nodebus License

Each WINAPP license provides the following:

- Runs on Windows NT® 4.0 Service Pack 5 operating system (supplied with workstation hardware)
- System Management
- Hummingbird Exceed X-Window server software
- Compound and block detail displays
- I/A Series Object Manager services
- FoxAPI application programming interface

33 Commercial Street
Foxboro, Massachusetts 02035-2099
United States of America
www.foxboro.com
Inside U.S.: 1-866-PHON-IPS (1-866-746-6477)
Outside U.S.: 1-508-549-2424 or contact your local Foxboro representative.

Foxboro, FoxAPI, FoxSelect, FoxView, I/A Series, and Micro-I/A are trademarks of Invensys Systems, Inc.
Invensys is a trademark of Invensys plc.
Windows, and Windows NT are trademarks of Microsoft Corporation.
Pentium is a trademark of Intel Corporation.
Wonderware is a trademark of Wonderware, Inc.
UNIX is a registered trademark of X/Open Company Limited.
All other brand names may be trademarks of their respective companies.

Copyright 2002 Invensys Systems, Inc.
All rights reserved