



Proficiency™ HMI/SCADA – iFIX® 4.0 Breaking New Ground in HMI/SCADA Functionality

Proficiency HMI/SCADA – iFIX version 4.0 is a major enhancement to HMI/SCADA users, delivering exciting new capabilities in addition to a variety of enhancements to existing technology.

New Features

Discovery and automated configuration

This new tool enables users to browse data sources (PLCs and/or PLC Programs), identify variables and data structures, then automatically configure a driver for communications. iFIX Process Database blocks enable signal conditioning and alarming with no typing required. Connecting to PLC data sources is simple and error free, requiring no more than a few mouse clicks. The discovery from a Siemens Step 7 program file is delivered on the iFIX 4.0 product CD. Additional discovery options will be delivered as part of HMI/SCADA productivity packs and on the GlobalCare support site.

Version management and disaster recovery

iFIX 4.0 can now be tightly integrated with the GE Fanuc Proficiency Change Management solution. Application Files are checked in and out of the Proficiency Change Management server quickly and easily through additional Check-Out / Check-In functionality added to the iFIX Workspace System Tree. You can also use the Proficiency Change Management Scheduler to automatically check for file changes and automatically perform backups, ensuring you have the latest set of application files for disaster recovery purposes.

The most secure environment yet

iFIX 4.0 takes SCADA security to new levels with enhancements and new features. Peer to peer networking is now handled over encrypted communications. This added security can co-exist with legacy nodes and existing communications. In addition, authorized connections enable the developer to exactly specify nodes that are allowed to connect in the iFIX Client Server environment. Applications leveraging the electronic signature features of iFIX will benefit from integration with biometric devices, i.e. fingerprint readers, retina scanners, etc. iFIX 4.0 offers a separate Biometric Tool, delivered as part of the iFIX Integration Toolkit, for OEMs, enabling the tight integration of iFIX Signing Dialogs with third party biometrics infrastructures.

Terminal services on a SCADA node

Terminal Services typically requires a separate and dedicated server to support remote clients. Version 4.0 now offers a Terminal Services Option for a single remote user or up to 3 remote users on a SCADA server. Oriented toward remote troubleshooting, development, ad-hoc or dedicated thin client connectivity, this Terminal Services solution offers the ideal web-based HMI experience, delivering 100% GUI capability, including ActiveX Controls and VBA Scripting. If you are interested in this option, be sure to check out our Intelligence PanelClient as the ideal industrial strength thin client.

FIX Desktop improvements

iFIX 4.0 continues to be the natural migration solution for FIX customers, and is now supported with Terminal Services, either on a SCADA node or through the iFIX iClientTS product. Customers can update FIX applications to iFIX, choosing to maintain their investments in FIX graphics via the FIX Desktop option. These graphics can now be viewed through Terminal Services by remote web clients. In addition, users can leverage an enhanced and fully supported set of migration tools converting FIX displays to iFIX if and when they choose. In this way, you can maintain what you already have and extend your capabilities through new iFIX Container Technology, ActiveX Controls and VBA. There is no more cost effective way to combine the old with the new.

The power of Proficiency Real-Time Information Portal delivered to an iFIX display

A new ActiveX Control delivers the ability to automatically host Real-Time Information Portal displays in an iFIX display. And iFIX displays, through the power of Terminal Services, can be hosted in a Portal display. This “embedding” of technologies delivers a “view everywhere” capability, maximizing your ability to deliver the right data to anyone, anywhere at any time.

iFIX graphics are more powerful than ever through the introduction of CAD style tools.

Line tools, polyline tools, piping tools, connector tools, and gradient fills are just a few of the new features for more efficient and effective graphics development. iFIX enables you to create powerful and complex diagrams with unmatched productivity and ease of use.



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New right click capabilities deliver instant operator productivity

Right click and drill into tag details. Right click and instantly trend an alarm variable. Highlight several variables and view them in a Tag Control Panel. Save and recall Tag Control Panel views for future reference. These new capabilities are available out of the box, with no display building necessary.

Connectivity to Relational Databases couldn't be easier

VisiconX, a set of ActiveX controls for database connectivity, can now read and write to relational databases. Both Update and Insert are supported, integrated with iFIX security and electronic signature support when used to alter iFIX tags in a regulated environment.

Dynamic language switching

The ability to call up displays in specific languages is possible through the use of tools to export screen text to language files, then, in runtime, launch a display specifying the language as a parameter. This enables OEMs to develop applications for use in a global community, easily delivering standard solutions and dynamic switching to meet the needs of local operators, service and support.

A host of additional delighters...

OPC A&E Server support delivers standards support for Alarms and Event messages. iFIX 4.0 also delivers an A&E Viewer ActiveX Control. VBA has been updated to Microsoft's latest version, 6.4. The iFIX iClient View Client is now supported on Windows XP Tablet Edition. Alarm priorities have also been expanded from 3 (Low, Medium and High), to 7 (Informational, Low-Low, Low, Medium, High, High-High and Critical). These can co-exist with existing priorities within legacy systems.

Contact your local GE Fanuc Sales Representative for more information, or to request an iFIX Product CD to demo the new features of version 4.0.

Proficy Software Modules:

Real-Time Information Portal
Proficy Real-Time Information Portal

Plant Performance and Execution
Proficy Batch Analysis
Proficy Batch Execution
Proficy Efficiency
Proficy Production
Proficy Tracker
Proficy Machine Tool Efficiency

Integrated Quality
Proficy Quality
Proficy Non Conformance Reporting
Proficy Shop Floor SPC

Plant Data Repository
Proficy Historian

Asset Management
Proficy Enterprise Asset Management
Proficy Remote Monitoring & Diagnostic
Proficy Change Management

HMI / SCADA
Proficy HMI/SCADA – iFIX®
Proficy HMI/SCADA – CIMPLICITY®
Proficy View – Machine Edition

Programming & Control
Proficy Logic Developer – Machine Edition
Proficy Motion Developer – Machine Edition

GE Fanuc Support & Services:

Proficy GlobalCare Support
Proficy Professional Services
Proficy Training

GE Fanuc Automation Information Centers

Americas:
1 800 GE FANUC or 434 978 5100

Asia Pacific:
86 21 3222 4555

Europe, Middle East and Africa:
800 1 GE FANUC or 800 1 4332682
or 1 780 401 7717

Europe, Middle East and Africa (CNC):
352 727979 11

Additional Resources

For more information, please visit the GE Fanuc web site at:

www.gefanuc.com

