

iFIX Embedded

Power of iFIX on Embedded Devices

Features

- HMI/SCADA Server and Client installations
- Full scripting support
- Powerful graphics, alarming and connectivity options
- Industrial Gateway Server (IGS) 7.5 Basic OPC Server included
- Proficy* Historian Collector support
- Dynamic language switching
- Optional add-ons: network support, e-signature, and SPC

Benefits

- Performance focus with low footprint
- Adopt next-generation devices and form factors
- Scalable HMI/SCADA software platform
- Standard device hardware and drivers

iFIX* Embedded delivers the power, scalability and flexibility of Proficy* HMI/SCADA - iFIX on the Windows® Embedded XP operating system. With iFIX Embedded, your HMI/SCADA solution can utilize the wide array of next XP Embedded-based devices and adopt a consistent software platform at the machine, control room and enterprise levels.

The power of iFIX SCADA

iFIX Embedded runs the iFIX 5.0 code base and delivers the features you've come to expect from a market-leading HMI/SCADA platform. iFIX Embedded delivers:

- Enhanced visualizations, trending and alarming
- SPC and e-signature support
- Dynamic language support
- Full scripting support

Scalability - Isolated to Integrated

iFIX Embedded also integrates with other systems—enabling you to connect your embedded systems with ease to other peer-level systems, line-level SCADA, relational databases, MES and or ERP systems.

Flexibility - Client or Server

iFIX Embedded delivers the flexibility to expand so that you can protect your hardware and software investments and adapt to your business requirements—now and in the future. iFIX Embedded includes the capability to act simply as an iClient to iFIX servers or it can operate independently as its own HMI/SCADA server.

HMI/SCADA Server

Configure your iFIX Embedded installation to directly connect to physical I/O points and maintain the process database by deploying an application using a variety of baseline blocks – including analog, calculations, BL, digitals, TX and such functions as statistical control functions, SQL commands, and more. In addition, iFIX Embedded includes Industrial Gateway Server (IGS) 7.5 OPC Server, which enables your application to directly connect to many of the floor-level control devices on the market today.

iClient Runtime

Configure your iFIX Embedded installation to act as a runtime client to a centralized HMI/SCADA application. iClient Runtime on iFIX Embedded delivers the same feature set to that of the iFIX 5.0 runtime iClient, including real-time graphics, trending, alarming and reporting.



iFIX Embedded

Expand your functionality

With available add-ons such as SPC, network and e-signature, your iFIX Embedded application can deliver expanded functionality not traditionally seen at the panel.

- Enable your users to view detailed quality data and perform analysis at the panel by using the optional Statistical Process Control (SPC) module.
- Expand the capabilities of your application and make your systems data available to others by adding network connectivity.
- Acknowledge an alarm or warning via e-signature to ensure proper tracking and standards compliance.

Windows XP Embedded

Microsoft® has committed 10 years to the product lifecycle support of Windows XP Embedded, and GE Fanuc continues to invest in Proficy HMI/SCADA - iFIX. As a result, you can be assured that your solution provides advantages for the long term.

Develop once – deploy across the board

With iFIX Embedded running the core of iFIX 5.0, you develop your application in the same familiar WorkSpace development environment as iFIX 5.0. Additionally, network-enabled iFIX Embedded installations can take advantage of patented iFIX technology, which enables online customization. This maximizes your development efficiency with no need for processes to be stopped or recompiled in order to make changes to the database, pictures, or other parts of the HMI application.

Furthermore, changes can be initiated without having to shut down and restart your system—giving you ultimate development control of your iFIX Embedded applications.

Requirements

Software Requirements:

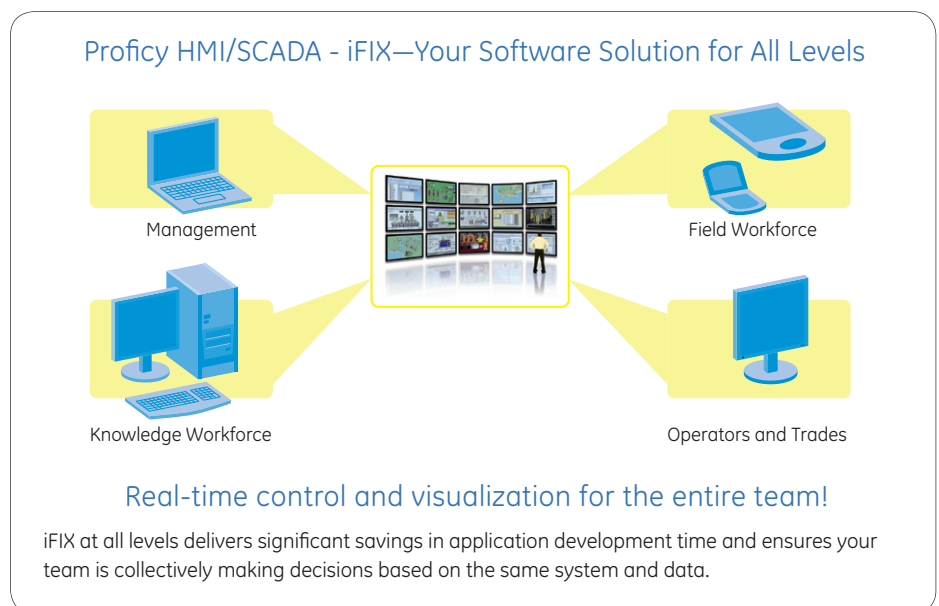
GE Fanuc recommends using the latest service packs for Windows operating systems. The minimum iFIX Embedded software requirements include:

- Windows XP Embedded Service Pack 2 Feature Pack 2007
- iFIX 5.0 Dev (for development)

Device Requirements

GE Fanuc recommends thorough testing on your devices because the scale of your application and visualization complexity will consume a variable amount of system resources. The minimum hardware requirements include:

- Intel® Atom 1.6 GHz or higher OR
- Intel Celeron®/Pentium® 1.0 GHz or higher
- 1 GB hard disk space



For more information, visit www.gefanuc.com/ifix_embedded

GE Fanuc Intelligent Platforms Information Centers

Headquarters:

1 800 GE FANUC
1 800 322 3616
1 434 978 5100

Global Regional phone numbers are available on our website at www.gefanuc.com

Additional Resources

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

www.gefanuc.com

