



# iFIX 2022 from GE Digital Configuration Guide

Updated May 2022



# Table of Contents

- Introduction ..... 3
- iFIX 2022 from GE Digital ..... 4
  - What is new with iFIX 2022? ..... 4
  - Reminder: New capabilities that were found in iFIX 6.5 ..... 5
- Configuring your HMI/SCADA iFIX server node..... 6
  - On-node Clients ..... 7
  - OPC UA Client Driver ..... 7
  - Additional OPC UA Connections..... 7
  - SCADA Synchronization ..... 7
  - Electronic Signature and iPower ..... 7
  - WIN-911 Add on ..... 7
  - Historian Add-on ..... 7
- NEW: iFIX Complete ..... 8
- iClients ..... 10
- GE Digital On-Premise Product Lifecycle Policy..... 11

# Introduction

This document covers the changes implemented in the iFIX 2022 version, available for ordering after February 1, 2022. This release carries forward all previously released iFIX 6.5 options. It introduces new capabilities such as a new Proficy Installer and a new packaged iFIX solution: iFIX Complete, which delivers all the capabilities needed for small/medium-size applications.

# iFIX 2022 from GE Digital

iFIX from GE Digital helps customers improve productivity and process control through industrial strength SCADA and High-Performance HMI. Flexible, configurable, powerful, and secure, iFIX is industrial strength SCADA.

iFIX improves equipment uptime and product quality by improving operator reaction time through rapid problem identification, preventing operator mistakes, and providing intelligent warning.

Perfect for process industries like water/wastewater, life sciences, food & beverage, consumer goods and specialty chemical industries, iFIX:

- Is an open and flexible client / server application that provides supervisory control of process equipment
- Provides high speed scanning, alarm and control
- Offers a complete library of visualization tools to support any situation
- Supports enterprise scale and highly distributed architectures
- Provides the Operator with the right information at the right time keep the plant running in a highly efficient manner.

## What is new with iFIX 2022?

iFIX 2022 new capabilities focus on delivering on the 3 main value areas of Reducing Time to Solution, Total Cost of Ownership and Empowering the Connected Worker.

### **Reduced Time To Solution**

- Modeling enhancements (substitution and expression support) to support equipment variability
- Simplified browsing of PLC and control systems via OPC UA and IGS
- Reduce time for updates – Quick Installer
- Simplify authentication management and improved security – SSO, nested AD groups

### **Reduce Total Cost of Ownership (TCO)**

- Unlimited client offering: economical, proven bundle for small/mid HMI/SCADA market
- Reduced hardware costs through cloud infrastructure (Azure VM, AWS VM and hybrid cloud)
- Improved single server scale – 64,000 tags per data type

### **Empower the Connected Worker**

- Improved operator experience for Life Sciences - new Proficy Batch app in Proficy Operations Hub
- Build iFIX pictures once and use across same equipment type
- Centralize operations and facilitate remote access using cloud infrastructure

## Reminder: New capabilities that were found in iFIX 6.5

iFIX 2022 builds on the groundwork laid in iFIX 6.5 which offered major new capabilities to decrease development and deployment time and increase engineering, System Integrator, and operator productivity. These enhancements provided new Object Orientation in a unified and central Proficy Web-based configuration environment for Rapid Application Development, a modernized Web-based database manager, High Performance HMI sample applications to jumpstart your development, new High Performance HMI Dynamos, performance and security improvements, and more.

### *Pricing/quoting changes*

- New 6.5 version licensing (matched in iFIX 2022)
- New term-based licensing and unlimited client options (was rolled out early in 2021)
- All other server and client configuration and options remained the same as iFIX 6.1

### *New features without pricing/quoting impact*

- Web Configuration Hub (expanded capability in iFIX 2022)
- Web Database Manager
- Object oriented database (expanded capability in iFIX 2022)
- High Performance HMI Sample System (expanded capability in iFIX 2022)
- Enhanced security (expanded capability in iFIX 2022)

Visit the New Features topic in the **iFIX Important Product Information** section of your Electronic Books for a full listing.

# Configuring your HMI/SCADA iFIX server node

The following Levels, Capabilities, and Point Counts are available. Please contact your local distributor for pricing.

Level		Plus (Networkable Node)				Standard (Standalone)		IOT <sup>1</sup>		
Capability	Develop + Runtime	Runtime Only	Blind Server		Develop + Runtime	Runtime Only	(Limited by EULA to Windows 10 IOT Enterprise or Windows 7 Embedded OS only) <sup>2</sup>			
Size (points)							Size (points)			
Unlimited	X	X	X	X	X	X	Large (5000)	X		
30000	X	Please contact your local distributor for pricing				X	Medium (1500)	X		
10000	X					X	X	X	Small (500)	X
1500	X					X	X	X	Starter (100)	X
900	X					X	X	X		
300	X					X	X	X		
150	X	X	X	X	X	X				
75	X	X	X	X	X	X				

## Other Notes

- Language is English only
- Classic Historian is no longer shipping as of iFIX 6.0

<sup>1</sup> Small, Medium and Large IOT option includes IGS Basic, all protocol families and WIN-911 Add-on option.

<sup>2</sup> Requires Windows 7 Embedded or Long-Term Servicing Channel. Other limit of use defined in GE Digital EULA

Options

## On-node Clients

On-node iClient TS clients are limited to 10 per node. If you require additional Thick Clients or more than 10 Thin-Terminal Services Clients, please speak with your representative.

## OPC UA Client Driver

The OPC UA Client Driver is an option to an iFIX node.

## Additional OPC UA Connections

Up to 8 additional OPC UA Connections (2 included, maximum allowed per node is 10).

## SCADA Synchronization

This option is for your High Availability SCADA Solution, on both the Primary (Standard License) and the Backup (Backup License) Node.

## Electronic Signature and iPower

Consistent since 5.9, pricing for these options will be a percentage of the iFIX configuration: Electronic Signature at 30% of Server and TS Client price; iPower at 64% of Server price

## WIN-911 Add on

Two Add-on options are available for the iFIX customers; WIN-911 Add-on and Proficy Historian Add-on. You will receive separate activation codes for these assets, allowing for them to be deployed on different nodes from the iFIX node; or they can be installed on the same node.

The WIN-911 Add-on option is not included by default. Only select the WIN-911 Add on if you need the WIN-911 Essentials edition included in your order and plan to use the software. If you need the Premier or Enterprise level, order it separately. When ordering a High Availability SCADA Solution, only include WIN-911 Add on the Primary Node if you want this option to be included in the license. Note that WIN-911 needs to be installed on an iFIX node (which can be a read client node) and will not operate independently. Please refer to the respective product literature for more information.

## Historian Add-on

The Historian add-on option is included by default, providing you with a Proficy Historian Essentials license. When ordering a High Availability SCADA Solution, order the Historian license separately - Historian Essentials with 1000 Points and add a Redundant Collector on same quote as your iFIX nodes. You can upgrade to Standard or Enterprise levels.

Note: These Add-on options are not available for Demo (expiring) licenses. If required for a Demo, please order separately.

iFIX level & tag count	Historian Essentials		WIN-911 Essentials	IGS BASIC
Standard & Plus	Permanent tag count	SCADA Buffer (200 days) tag count	Available as an Add on	Included or Purchased Separately
75	100	2500	X	Purchased Separately
150	100	2500	X	Purchased Separately
300	100	2500	X	Purchased Separately
900	500	2500	X	Purchased Separately
1500	1000	2500	X	Purchased Separately
10000	1000	2500	X	Purchased Separately
30000	1000	10000	X	Purchased Separately
Unlimited	1000	10000	X	Purchased Separately

iFIX for IOT (iFIX tag count)	Historian Essentials		WIN-911 Essentials	IGS BASIC
	Permanent tag count	SCADA Buffer (200 days) tag count	Available as an Add on	Included or Purchased Separately
Starter (100)	100	0	N/A	Purchased Separately
Small (500)	500	2500	X	Included
Medium (1500)	1000	2500	X	Included
Large (5000)	1000	2500	X	Included

## NEW: iFIX Complete

iFIX Complete delivers the full power of iFIX at an appealing starting price point.

- All the capabilities you need for your project with the flexibility to add clients as needed
- A new, simpler way to order an iFIX solution– get the tools for your HMI/SCADA project in one step. Connectivity, Visualization, notification, Analysis and more.
- To solve the need of a majority of small to mid-sized HMI/SCADA implementations

iFIX Complete base package

- iFIX Plus Development/Runtime SCADA with 10,000 tags
- Proficiency Historian Essentials w/10K tags (+ A&E and redundant iFIX Collectors)
- iClient and iClient TS - as many clients as required per server
- IGS Basic – all protocol families, more than 200
- WIN-911 Essentials for alarm notification



## iFIX Complete - Options

### *Redundancy*

- Second server for 50% to ensure uptime and availability
- Simplified ordering. One check box adds SCADA synch and additional license

### *Electronic Signature*

### *Acceleration Plans*

- Standard rates based on level

### *Add-ons*

- Proficy Historian Standard or Enterprise
- WIN-911 Ultimate
- Premium Drivers
- Dream Report

# iClients

Consistent since 6.1

- Adds read-only option for Development
- Adding IOT Thick Runtime Only iClient

For off-node Thick clients, each is configured separately, while you can include up to 253 Thin-Terminal Services Clients on the same configurator (two are already included). Also, for Thin-Terminal Services Clients, while Electronic Signature is priced per Server, iPower is priced per Client.

Previous	New with 6.1 and for all versions	Thick iClient Price	IOT Thick	Thin
Development	Development (includes Runtime)	Please contact your local distributor for pricing	N/A	
Runtime	Runtime Only			
Read Only	Read Only (Runtime Mode only)		N/A	
	Development/Read Only (can view Development environment, but can't save changes)		N/A	

# GE Digital On-Premise Product Lifecycle Policy

The current Version of a Product will remain under Ongoing Support until GE Digital either releases a new Version or announces an expected End-of-Life Date. Upon each Major Version release for a Product, iFIX will have Ongoing Support for a minimum of four years.

Version	End new patches, SIMs, etc. Formally called End of Extended Support - Maintain	End of Support (Obsolete) Formally called End of Extended Support - Sustain
2022 (current)		
6.5	April 2026	April 2027
6.1	January 2025	January 2026
6.0	February 2024	February 2025
5.9	October 2022	October 2023
5.8	October 2022	October 2023
5.5	March 2021	March 2022
5.1	August 2019	August 2019

**In case of questions regarding pricing & configuration, please feel contact your local GE representative.**



## About GE

GE (NYSE: GE) is the world's Digital Industrial Company, transforming industry with software-defined machines and solutions that are connected, responsive and predictive. GE is organized around a global exchange of knowledge, the "GE Store," through which each business shares and accesses the same technology, markets, structure and intellect. Each invention further fuels innovation and application across our industrial sectors. With people, services, technology and scale, GE delivers better outcomes for customers by speaking the language of industry.

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