



Industrial Gateway Server 2023 / 7.614 from GE Digital

Enable reliable connections to your devices for control, data acquisition, and visualization

Robust, flexible connectivity

Industrial Gateway Server (IGS) from GE Digital is a powerful full- featured connectivity solution that's robust, reliable, and easy to use. IGS is packed with the latest and greatest industry standard protocols, which enable communication to thousands of mixed vendor devices and instruments.

With IGS, you have a comprehensive connectivity solution for GE Digital's HMI/SCADA, MES, and intelligence applications, as well as third-party solutions.

Outcomes

- Easily connect to GE Digital's software and third-party solutions
- Improve reliability with robust connectivity
- Save time with an enhanced interface that enables you to connect quickly
- Leverage control and security with powerful administration tools
- Enhance flexibility with basic drivers and premium options
- Achieve seamless communication with your installed base of equipment and systems
- Ease use with English, German, Japanese, and Simplified Chinese language support

01 Options to drive connectivity further

IGS delivers a basic set of core drivers with an optional premium set that delivers additional specific niche drivers. IGS is available in two editions:

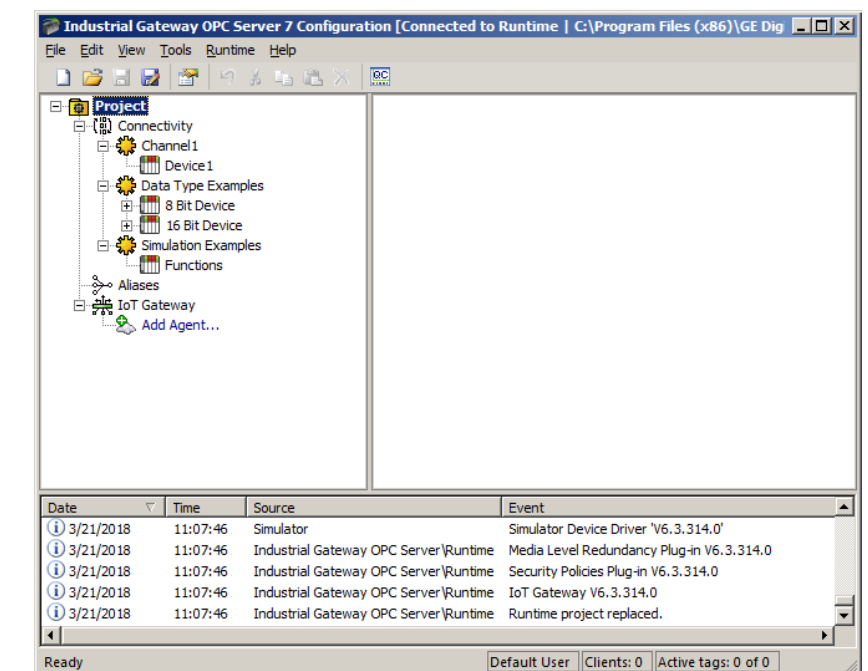
- **IGS Basic Protocol Drivers**
This core offering delivers 100s of protocols for the most common devices in the automation industry. Key drivers in this package include Modbus, OPC, ODBC, Allen Bradley, GE, Honeywell, InTouch, Mitsubishi, Omron, Siemens, Yokogawa, and more.
- **IGS Premium Drivers**
These premium drivers are an individual selection of industry-specific and IT protocols for advanced communications. These include protocols for power, water, oil and gas, and manufacturing.

02 Enhanced easy-to-use interface

The IGS configuration interface is designed to be easy and fast—enabling you to get your communications up quickly. In addition, IGS can be updated offline or online while clients are still connected to devices. This gives you the ability to update your system with minimal disruption—maximizing uptime and minimizing risk.

03 Control and security

IGS introduces a powerful set of administration tools to enhance control over the applicable IGS processes, configuration access, and runtime connection access. In addition to these options, when you're running multiple CPUs, you can specify which processor IGS uses—enabling full control of your system for the most demanding applications. The IGS OPC UA support includes tunneling which simplifies getting secure access to remote OPC DA servers on the same network or through firewalls, avoiding complicated DCOM configuration in Windows.



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Features

- New in Version 2023: Additional capabilities, enhancements and/or updates to the following drivers and plug-ins: ABB Totalflow, Allen-Bradley Controllogix Ethernet, Allen-Bradley DF1, Custom interface, DNP Client Ethernet, DNP Client Serial, FANUC FOCAS Ethernet, GE Ethernet, IEC 60870-5-104, IEC 61850 MMS Client, IOT Gateway Plug-In, Lufkin Modbus, Memory Based, Mitsubishi Ethernet, Modbus Ethernet, Modbus Serial, MQTT Client, ODBC Client, Omni Flow Computer, Omron FINS Ethernet, OPC UA Client, Security Policies Plug-In, Torque Tool Ethernet, Triconex Ethernet, User Configurable (U-CON), Weatherford 8500
- New in Version 2022: Additional premium drivers including MQTT, DNP and IEC 61850
- Connectivity to 100+ different device protocols
- OPC is the leading standard for industrial automation connectivity. IGS supports the OPC Unified Architecture (OPC UA) specification and many of the OPC Classic specifications, including OPC Data Access (OPC DA), OPC Alarms and Events (OPC AE), and OPC Historical Data Access (OPC HDA)
- Native driver for GE Digital's HMI/SCADA solutions and OPC connectivity across GE Digital's software portfolio
- Basic, Premium, and SNMP packaged sets of drivers
- Connectivity to thousands of devices from different vendors
- Ability to run many different protocols and devices simultaneously from a single instance
- Runs in service and interactive mode
- Certified OPC compliant
- Compatibility with GE Digital's iFIX, CIMPLICITY, Proficy Workflow, Proficy Plant Applications, and Proficy Historian software



IGS brings more OPC server control and security to your implementations.

If you're seeking reliable connectivity to your devices for control, data acquisition, and visualization, IGS is the right solution. It's flexible, robust, and easy to use with GE Digital's software and third-party solutions.

LEARN MORE

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IGS Basic

IGS Basic includes access to all available IGS Basic protocols and use of up to 80 simultaneous protocols per server.

- Advanced Simulator
- Allen-Bradley 1609 UPS
Allen-Bradley Bulletin 900
Allen-Bradley CompactLogix
Allen-Bradley ControlLogix Ethernet
Allen-Bradley ControlLogix Unsolicited
Allen-Bradley Data Highway Plus
Allen-Bradley DF1
Allen-Bradley Ethernet
Allen-Bradley Micro800 Ethernet
Allen-Bradley Micro800 Serial
Allen-Bradley Unsolicited Ethernet
- Analog Devices
- Aromat Ethernet
Aromat Serial
- AutomationDirect DirectNET
AutomationDirect EBC
AutomationDirect ECOM
AutomationDirect K Sequence
AutomationDirect Productivity Series
Ethernet
- Beckhoff TwinCAT
- BUSWARE Ethernet
- CODESYS Ethernet
- Contrex M-Series
Contrex Serial
- Custom Interface
- Cutler-Hammer D50/D300
Cutler-Hammer ELC Ethernet
Cutler-Hammer ELC Serial
- Dataforth isoLynx
- DDE Client
- Fanuc Focas Ethernet
Fanuc Focas HSSB
- Fuji Flex
- GE CCM
GE EGD
GE Ethernet
GE SNP
GE SNPX
GE SNP
GE SNPX
- Hilscher Universal
- Honeywell HC900 Ethernet
Honeywell UDC Ethernet
Honeywell UDC Serial
- IDEC Serial
- Intelligent Actuator (IA) Super
- SEL
- InTouch Client
- IOtech PointScan 100
- Krauss Maffei MC4 Ethernet
- Memory Based
- Mettler Toledo
- Micro-DCI
- Mitsubishi CNC Ethernet
Mitsubishi Ethernet
Mitsubishi FX
Mitsubishi FX Net
Mitsubishi Serial
- Modbus ASCII
Modbus Ethernet
Modbus Plus
Modbus Serial
Modbus Unsolicited Serial
- MTConnect
- ODBC Client
- Omron FINS Ethernet
Omron FINS Serial
Omron Host Link
Omron NJ Ethernet
Omron Process Suite
Omron Toolbus
- OPC DA Client
OPC UA Client
OPC XML-DA Client
- Optimization OptiLogic
- Opto 22 Ethernet
- Partlow ASCII
- Philips P8/PC20
- Rockwell Automation - see
Allen-Bradley
- SattBus Ethernet
SattBus Serial
- Scanivalve Ethernet
- Siemens S5
Siemens S5 3964R
Siemens S7 MPI
Siemens S7-200
Siemens TCP/IP Ethernet
Siemens TCP/IP Unsolicited
- Ethernet
- Simatic/TI 505 Ethernet
Simatic/TI 505 Serial
- SIXNET EtherTRAK
SIXNET UDR
- Square D
- System Monitor
- Telemecanique Uni-Telway
- Thermo Westronics Ethernet
Thermo Westronics Serial
- TIWAY Host Adapter
- Torque Tool Ethernet
- Toshiba Ethernet
Toshiba Serial
- Toyopuc PC3/PC2 Ethernet
Toyopuc Serial
- User Configurable (U-CON)
- WAGO Ethernet
- Yaskawa Memobus Plus
Yaskawa MP Series Ethernet
Yaskawa MP Series Serial
- Yokogawa Controller
Yokogawa CX
Yokogawa Darwin Ethernet
Yokogawa Darwin Serial
Yokogawa DX Ethernet
Yokogawa DX Serial
Yokogawa DXP
Yokogawa HR
Yokogawa MW
Yokogawa MX
Yokogawa YS100

IGS Premium – Optional Drivers

- ABB Totalflow
- Alstom Redundant Ethernet
- BACnet/IP
- Bristol/IP
- DNP
- Enron Modbus
- Fisher ROC Suite
- IEC 60870-5-104
- IEC 61850
- Lufkin Modbus
- MQTT
- OMNI Flow Computer
- SNMP Suite
- Triconex Ethernet
- Weatherford 8500
- WITS Suite

Option for Internet of Things (IoT) Gateway

- An optional plug-in that can be added to an IGS Server to connect Operations with IT to support IoT.
- Provides four agents to stream data over the MQTT, HTTP/REST, and the ThingWorx AlwaysOn protocols.
- Offers advanced message formatting for client agents to support multiple data modeling requirements, such as JSON, XML, CSV, and custom models.

Additional plug-ins (included)

- Thingworx – Enables IGS to be used for Thingworx-based projects
- Security – Security access based on permission. Enable/Disable access to objects, browsing, read/write on tags
- Media Level Redundancy – Communication path redundancy and device pair redundancy

Note: The optional driver packages do not include the Basic Drivers. These must be purchased separately. Confirm standard and optional features with your sales representative. Please consult product documentation for hardware and software requirements. Requirements may vary by customer deployment. Specifications subject to change without notice.



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Services

In the world of Industrial Internet of Things (IIoT), organizations are able to optimize productivity, reduce costs, and achieve Operational Excellence. No matter where you are on your IIoT journey, GE Digital has the right services offering for you.

[Advisory Services](#) We can help you plan and start your IIoT journey in a way that aligns to your specific business outcomes.

[Managed Services](#) We can help you maintain your critical machines from one of our remote locations around the world using model-based predictive-analytic technology.

[Implementation Services](#) Our experienced global automation partners can implement a collaborative, multi-generational program that marries your existing investments to the right enhancements and technology.

[Education Services](#) We specialize in education services to ensure that you're leveraging our solutions to the fullest extent with our training and certificate programs.

[Acceleration Plans](#) Let us help by ensuring that your business continues to operate at its highest efficiency, all while mitigating risks to your investments.

[Cyber Security Services](#) Our solutions provide industrial-grade security for a wide range of OT network and application topologies.

Related products

GE Digital's [HMI and SCADA](#) suite helps you precisely monitor, control, and visualize every aspect of your operations, enabling operators to make the best decisions faster.



[Proficy Historian](#) →

Optimize asset and plant performance through time-series and A&E industrial data collection and aggregation. Improve decision-making with advanced trend analysis.



[Proficy Operations Hub](#) →

A centralized environment for aggregating and visualizing contextual and situational information for industrial applications—supporting rapid application development and rich displays for faster operational response and better decision making.



[Proficy Plant Applications](#) →

Maximize overall equipment effectiveness (OEE), improve production scheduling, and ensure product quality by leveraging real-time production data.



[MTConnect-OPC UA Driver](#) →

Continuously collect real-time data from machine tool equipment for analysis and optimization



[Dream Report](#) →

Powerful reporting to help you improve performance and meet operational goals.

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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