INDUSTRIAL GATEWAY SERVER FROM GE VERNOVA

GE VERNOVA

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

Robust, flexible connectivity

Industrial Gateway Server (IGS) from GE Vernova 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 Vernova's HMI/SCADA, MES, and intelligence applications, as well as third-party solutions.

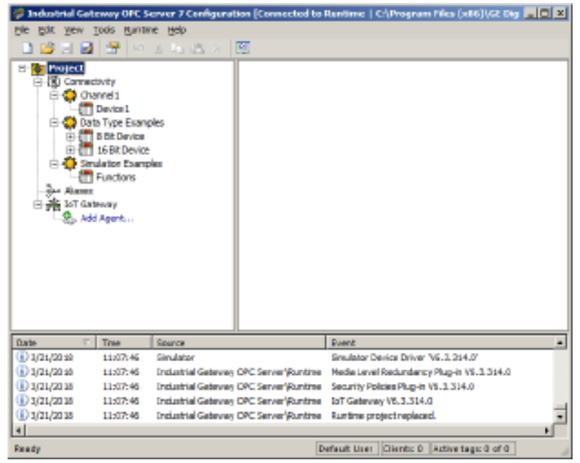
OUTCOMES

- 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 & 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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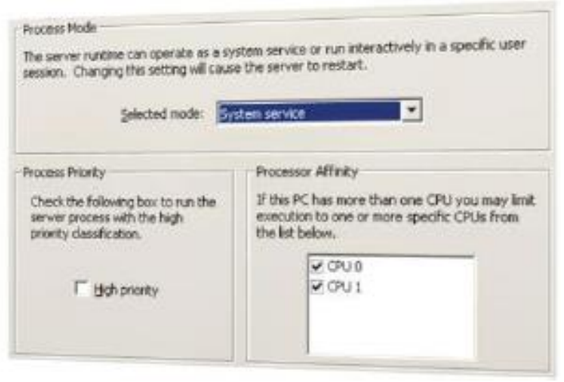
Features

- New in Version 2025:
  Support for Windows Server 2025 and alignment with current Microsoft lifecycle standards
  - Security enhancements supporting modern certificate and encryption practices
  - Updated Allen-Bradley ControlLogix Ethernet driver with support for newer controller firmware
  - Ongoing modernization of interfaces and protocols to align with current OPC standards, reduce reliance on deprecated technologies, and support long-term interoperability and maintainability.
- 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 Vernova's HMI/SCADA solutions and OPC connectivity across the Proficy 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 iFIX, CIMPLICITY, Proficy Workflow, Proficy Plant Applications, and Proficy Historian software



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

Consult product documentation for hardware/software requirements. Confirm standard vs optional features with GE Vernova representative. Specifications are subject to change without notice. Results and functionality vary, depending on existing hardware/software, applications, implementation, and other factors.

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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
- Optimation 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

- BB 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.