Industrial Gateway Server 7.521 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 7.521, you have a comprehensive connectivity solution for GE Digital’s HMI/SCADA, MES, and EMI 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

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 Allen Bradley, GE Digital, Siemens, Modicon, Fanuc CNC, Telemecanique, Mitsubishi, Omron 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, 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.

1. **Channel:** Select a driver to create a channel.
2. **Device:** Specify the device or system to communicate with.
3. **Tag:** Select the items or tags for your database.
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### Features
- Connectivity for hundreds of different devices
- Built using the latest OPC standards (OPC DA 1.0, 2.0, 3.0 and UA)
- 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 Workflow, Plant Applications, and 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.

IGS brings more OPC server control and security to your implementations.
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**IGS Basic – Included Drivers**

- Advanced Simulator Driver
- Allen-Bradley Bulletin 900
- Allen-Bradley ControlLogix
- Allen-Bradley DF1
- Allen-Bradley DH+ Allen-Bradley Ethernet
- Allen-Bradley Unsolicited Ethernet Analog Devices
- Aromat Ethernet Aromat Serial
- AutomationDirect Direct Net
- AutomationDirect EBC
- AutomationDirect ECOM
- AutomationDirect K Sequence
- Backhoff TwinCAT 1/0
- Busware Ethernet I/O
- Contrex M-Series
- Contrex Serial
- Cutler-Hammer
- Cutler-Hammer ELC Custom Interface
- Dataforth isolynx
- DDE Client Driver
- DeviceNet (Hilscher Universal)
- Fuji Flex
- GE CCM
- GE Ethernet
- GE Ethernet Global Data (EGD)
- GE Focas 1
- GE SNP
- GE SNPK
- Hilscher Universal Driver
- Honeywell HC Ethernet
- Honeywell UDC
- Honeywell UDC Ethernet Idec
- Intelligent Actuator Super
- InTouch Client Driver
- IOTech PointScan 100
- Krauss Maffei Ethernet
- Memory Based Driver
- Mettler Toledo Continuous Mode Serial Micro-DCI
- Mitsubishi CQC Ethernet
- Mitsubishi Ethernet
- Mitsubishi FX
- Mitsubishi FX Net
- Mitsubishi Serial
- Modbus ASCII
- Modbus Ethernet
- Modbus Plus
- Modbus RTU Unsolicited
- Modbus Serial
- ODBC Client Driver
- Omron FINS Ethernet
- Omron FINS Serial
- Omron Host Link
- Omron Process Suite
- Omron Toolbus
- OPC DA Client Driver
- Optimization OptiLogic
- Opto 22 Ethernet
- Partlow ASCII Philips P8/PC20
- Profibus (Hilscher Universal)
- SattBus Ethernet SattBus Serial
- Scanivalve Ethernet
- Siemens S5
- Siemens S5 3964R
- Siemens S7 200
- Siemens S7 MPI
- Siemens TCP/IP Ethernet
- Siemens TCP/IP Unsolicited
- Simatic S5/5 Ethernet
- Simatic S5 Series
- SIXNET EtherTRAK I/O
- SIXNET UDR
- Squared System Serial Monitor
- Telemecanique Uni-Telway
- Thermo Westronics Ethernet
- Thermo Westronics Serial
- Tiway Host Adapter
- Torque Tool Ethernet
- Toshiba Ethernet
- Toshiba Serial Toypopc PC2 Serial
- Toypopc PC/PC2 Ethernet
- User-Configurable (U-CON) Driver
- WAGO Ethernet
- Yaskawa Memobus Plus
- Yaskawa MP Ethernet
- Yaskawa MP Serial
- OPC UA Client Plug-in
- Yokogawa Controller Serial
- Yokogawa CX
- Yokogawa Darwin
- Yokogawa DX
- Yokogawa DXP
- Yokogawa HR
- Yokogawa MW100
- Yokogawa MX100
- Yokogawa YS100

**IGS Premium – Optional Drivers**

- DNP3 Server Suite – Serial and Ethernet
- BACNet
- Fisher ROC Suite – ROC and ROC Plus
- Triconex
- Omnip Flow Computer
- Lufkin Modbus
- IEC 61850
- Enron Modbus

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**Software requirements**

Compatibility with the following:

- Microsoft Windows 10
- Microsoft Windows Embedded Standard 7
- Microsoft Windows 8 (32 bit or 64 bit)
- Microsoft Windows 7 (32 bit or 64 bit)
- Microsoft Windows Server 2012/R2

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Note: The Premium and SNMP driver packages do not include the Basic Drivers. These must be purchased separately. Hardware and software requirements are representative and may vary by customer deployment. Please consult the product documentation for more details.
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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.

GlobalCare Support Services 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.

Workflow Guide operators with dynamic, interactive electronic work instructions and eSOPs for more consistent operations and optimized processes.

Historian Optimize asset and plant performance through time-series industrial data collection and aggregation, leveraging Predix IIoT connectivity.

Predix Innovate and transform your business with the cloud-based operating system for the Industrial Internet, purpose-built for industry.

Continue your IIoT journey
Transforming your business requires innovative foundational solutions that lay the groundwork for optimized performance.

Cyber Security for OT Take the right actions to increase resilience, help ensure safety, and maintain availability across your operational technology (OT) environment.

Asset Performance Management Move from reactive to proactive maintenance to reduce unplanned downtime, minimize maintenance costs, improve efficiency, and extend asset life.

Mobile Take industrial automation to a new level, transforming operational data into actionable information, accessible anywhere, anytime.

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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