SCADA Edge Industrial PC from GE Digital

Connect and optimize your operations with a preconfigured rugged IPC

Increase efficiency with GE Digital's SCADA Edge

To succeed in the era of the Industrial Internet requires more than just collecting information from machines. Data must be processed, optimized, and analyzed to gain a competitive edge with improved productivity and throughput.

GE Digital has developed SCADA Edge, a preconfigured control and automation platform designed to reduce time to solution for applications enabled by the Industrial Internets. It combines GE Digital's rugged Industrial PC platform with GE Digital's award-winning HMI/SCADA applications to deliver visibility to the plant floor, increasing operator effectiveness and reducing downtime.

Outcomes

- Speed time to solution with a preconfigured control and automation platform

- Improve uptime with best-in-class hardware and software, including rugged, industrial grade components

- Make better decisions through real-time visibility in a dependable package, to increase operator effectiveness and reduce waste

- Achieve flexibility and scalability to grow your operations by leveraging an extendable and upgradable platform

- Maximize operational performance with precise monitoring and control of your environment, equipment, and resources

01 High-performance computing

SCADA Edge is built on one of three compact and rugged Industrial PC platforms, all of which provide superior performance in demanding industrial environments. With a choice of dual core to quad core processors, the robust RXi IPC platform provides the computing power needed for most applications. The IPC hard drive is expandable and includes options like VIA Eden to Intel Core i7 and storage capacity of 4 or 8 GB. It features special SSD drives, multiple Ethernet interfaces, and a number of different expansion slots.

02 Unlimited performance insight

The SCADA Edge tool set provides real-time visibility to enable more informed decisions. When combined with GE's reliable Industrial PC, operators can manage several lines, a whole plant, or multiple locations. GE Digital's HMI/SCADA offers true client/server-based visualization and real-time control, making it simple to manage the overall system, perform supervisory automation, and deliver reliable information to higher-level analytic applications. With SCADA Edge, operators and engineers have the secure-by-design technology and the robust performance engine needed to precisely monitor and control every environment, equipment, and resource.

03 Greater uptime

From the use of all industrial grade components to its fanless design, all aspects of the SCADA Edge IPC have been engineered for reliability in harsh environments. GE Digital incorporates patented thermal monitoring technology with sophisticated passive cooling techniques to provide an industrial computing platform that performs in extended temperature ranges. COM Express technology allows for fast and easy technology upgrades with minimal downtime. And having the software preloaded saves hours that are usually required for installation. This is especially helpful for OEMs and distributors that may configure hundreds or thousands of units per year.
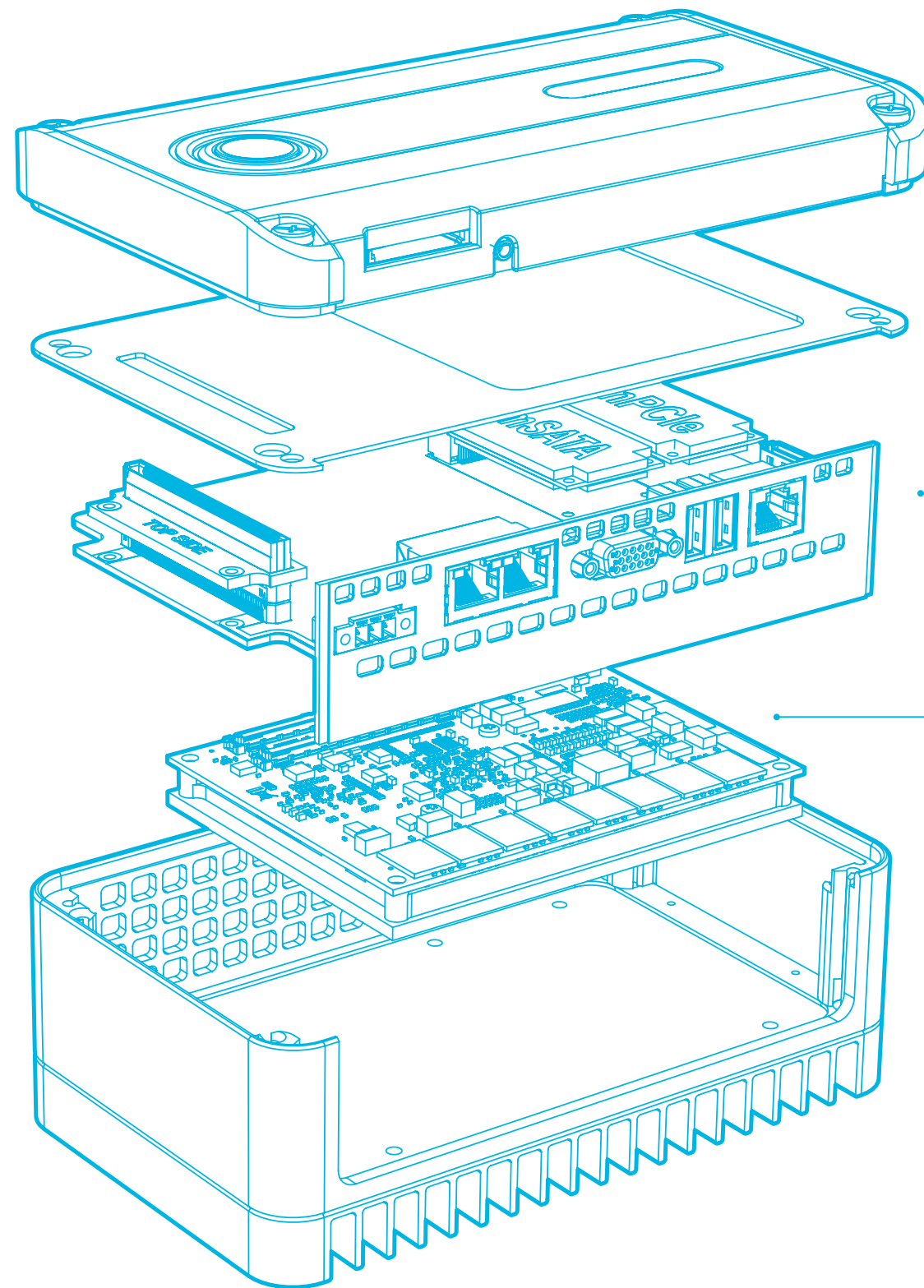
04 Flexibility and scalability

Thanks to COM Express technology, the SCADA Edge IPC makes performance upgrades inconsequential to the physical system design. When upgrading the processor, the IPC footprint stays the same, allowing internal components to evolve without costly redesign to critical assets. This makes SCADA Edge ideal for long-term deployments. GE Digital's HMI/SCADA applications can scale from 500 to 5,000 tags, enabling the system to grow along with operations.

The SCADA Edge solution meets the needs of a variety of applications – ranging from power management and processing operations to material handling and packaging.

SCADA Edge Industrial PC from GE Digital

Connect and optimize your operations with a preconfigured rugged IPC

Connect and optimize your operations

SCADA Edge RXi EP

- iFIX or CIMPLICITY
- Historian for SCADA (500 or 1000 pt buffer)
- 500, 1500 or 3000 tags Runtime
- 2 Webspace Clients
- IGS

Build your hardware

Choose the communication options for your operation, including WiFi, cell modem, Ethernet, and USB

Select your COM Express module and processor

Choose your chassis—options include aluminum for benign environments and rugged stainless steel for extreme conditions

Choose your software

- iFIX
  iFIX is ideally suited for process applications, ranging from fundamental HMI such as manual data entry and validation to very complex SCADA such as batch, filtration, and distributed alarm management.

- CIMPLICITY
  CIMPLICITY offers true client/server-based visualization and control that helps you manage your operations, perform supervisory automation, and deliver reliable information in discrete applications that require higher-level analytics.

- Historian
  Historian is a powerful, enterprise-wide software that collects, archives, and distributes tremendous volumes of real-time production information at extremely high speeds. Historian improves visibility, provides context to raw data, and aggregates islands of information for faster more accurate decisions, increased productivity, and reduced costs across your entire system.

Hardware and software requirements are representative and may vary by customer deployment. Please consult the product documentation for more details.

Connect and optimize your operations with SCADA Edge. An expandable solution, SCADA Edge offers faster time to solution to meet your automation needs.

LEARN MORE

SCADA Edge Industrial PC from GE Digital

Connect and optimize your operations with a preconfigured rugged IPC

Services

In the world of Industrial Internet of Things (IIoT), organizations are able to optimize productivity, reduce costs, and achieve Operational Excellence. While this is an exciting time for opportunity and growth, it can also bring on new challenges, questions, and uncertainty. 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.

Wurldtech 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.

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

PREDIX

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.

Batch Execution →
Gain the security, flexibility, and ease of use you need to reduce costs, increase quality, and boost profitability.

Contact

Americas: 1-855-YOUR1GE (1-855-968-7143)
gedigital@ge.com
www.ge.com/digital