



Proficy* Historian Industrial PC

Lower your total cost of ownership with simplified data management

Benefits

- Lower total cost of ownership
- Improved performance with easy data collection
- Reduced implementation time
- More power at the point of control
- Maximized reliability and uptime

In today's fast, lean, and competitive environment, leveraging the power of industrial data is more imperative than ever. Manufacturing and other processing industries need powerful controls and the ability to turn data into actionable information to boost efficiency, drive profitability, and lower costs.

GE's Proficy* Historian Industrial PC is a simplified data management solution that connects your machines and turns masses of raw data into actionable information. It combines our industry-leading Proficy Historian software with our powerful, rugged RXi-XP industrial computer, providing a simplified solution that helps lower your total cost of ownership.

It features a compact size with powerful data acquisition capabilities, reliability, and scalability—all in one solution.

Data management made easy

• Simple implementation with pre-installed software

There's no need to spend valuable time buying individual products and installing the software. Instead, our powerful RXi-XP Industrial PC is preinstalled with Microsoft® Windows® 7 operating system and Proficy Historian software.

• Compact, rugged design

The IPC's smaller, ruggedized design has clear advantages over operating Proficy Historian on a standard PC. Proficy Historian IPC can be installed with the machine controls to save space and reduce wiring complexity, putting power at the point of control.

• High-performance data acquisition

The solution delivers quick time-to-value for collecting real-time production and process information. Proficy Historian's patented compression algorithms enable greater volumes of data to be stored in the IPC's hard drive than competitive data historians, without sacrificing the data's integrity.

• Designed-in lifecycle management

To extend the lifecycle of your technology investment, Proficy Historian IPC leverages COM Express technology. So when the computing power becomes obsolete, you can exchange the COM Express module for a higher-powered replacement, leaving the rest of the IPC and wiring intact instead of having to replace it.

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Specifications

Processor

- Intel Core i7 processor, up to 2.5GHz

Memory

- 8 GB DDR3 ECC
- 512 kByte nv-SRAM (flat memory)
- Storage for process relevant data

Hard Drive

- 320 GB industrial grade HDD

Ethernet

- 5 Ethernet (10, 100, 1000 Mbit) ports
- 10/100/1000BaseT auto-negotiation
- Support Time SYNC (IEEE1588 and 802.1AS) based on Intel 82574IT

Power

- Input: 24V DC (±25%) with protection

Video / Graphics Interface

- Display Port

USB Interface

- USB 2.0 Standard Size ports – 4 External, 1 Internal

Wireless Communication

- WLAN optional via internal Mini PCIe card site

LED

- Power, SATA, Eth 1, 2 & 3 (Link / Activity) Battery Status, Over-temperature

Operating System

- Microsoft® Windows® 7 Professional 64-Bit

Dimensions (H x W x D)

- 207 x 252 x 121 mm (8.15 x 9.92 x 4.76 inch)

Others

- Internal SD card slot
- Designed to meet standard UL1950, CE class A, FCC-A
- Timer (IO Hub integrated): Legacy PC AT; High Precision Event Timer
- Watchdog (IO Hub integrated)
- Temperature sensors: CPU die – Software readable (-15°C to +105°C)
- Internal box temperature with status LED for over-temperature
- Real Time Clock: RTC 146818 compatible, Li-battery

Environmental

Ratings	Operating	Storage
Standard	Refer to Ordering Information table ¹	-40°C to +85°C
Extended	-10°C to +65°C	-40°C to +85°C
Altitude	15,000 ft (4.5 km)	40,000 ft (12 km)
Humidity	5-95% @ +40°C	5-95% @ +40°C

¹ Temperature rating requires vertical orientation of the heat sink fins. Extended temperature variants available upon request.

Solution features

- Simple setup and scalable to 5,000 data points
 - Includes 32 data points
 - Includes license key to easily add more data points
 - Compatible with third-party solutions
 - Customizable to the level of data collection you need
- Rugged, compact, high performance
 - Fan-less design minimizes maintenance
 - Operates at high ambient temperatures
 - Small form factor for installation with machine controls
 - Intel i7 processor, extended storage, and 2 expansion slots
- Standard interfaces for data access
 - Open access for ERP & MES applications
 - Application integration via OLE DB, .net API, SDK, & OPC HDA
 - Powerful Collector Toolkit for dedicated interfacing
- Advanced data management
 - Optimization with industry-leading data stores
 - Designed to help customers comply with FDA's 21 CFR Part 11
 - Calculation and server-to-server collection
 - Built-in data collection; fast read/write performance
 - High data compression
- Engineered for reliability in harsh environments
 - All industrial-grade components
 - Patented thermal monitoring technology
 - Sophisticated passive cooling techniques

Ordering Information

PART NUMBER	DESCRIPTION	OPERATING TEMPERATURE
RXE2N0F8H132A	Proficy Historian Industrial PC	0°C to +60°C