

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Abaco Systems ICRXIFF7F111A* at our website: ***Click HERE***

GE
Intelligent Platforms



PACSystems* RXi-EP Box IPC

Expandable Industrial PC is Ideal for Collecting and Analyzing Data

GE Intelligent Platforms has combined its expertise in designing high-performance embedded computing platforms with our more than 30 years of experience in industrial control to create a powerful and expandable industrial computing platform – the PACSystems RXi-EP Box IPC.

The PACSystems RXi industrial computing platform delivers compact, rugged, high-performance computing capabilities to run HMI, historian, and analytics applications right at the machine, enabling improved real-time control of operations and better integration into plant-wide systems.

The RXi-EP Box IPC is the mid-range offering in the RXi IPC family, featuring the added expandability of a PCI Express slot and CFast storage.

High-Performance Computing

The RXi-EP Box IPC incorporates the latest technologies to deliver high-performance computing for the industrial environment.

GE selected the latest Intel processors for their unmatched performance. The RXi-EP Box IPC has up to 8 GB of RAM, multiple Gigabit Ethernet interfaces, and industrial grade high-speed SSD storage (or optional larger hard disk storage) to complete the high-performance design. These high performance specifications make the RXi-EP Box IPC the perfect platform for running GE's Proficy* applications or other industrial applications right at the machine, even in the harshest environments.

Expandability

The RXi-EP Box IPC provides additional application flexibility with both mini PCI express and low profile PCI express slots. This expandability combined with the highest performance CPUs delivers truly high performance computing.

Greater Uptime

From the use of all industrial grade components to its fanless design, all aspects of the RXi-EP Box IPC have been engineered for reliability in harsh environments. The core of the RXi-EP Box IPC architecture is GE's rugged COM Express modular CPU platform. GE incorporates patented thermal monitoring technology with sophisticated passive cooling techniques to provide the highest-performance, fanless industrial computing platform that can operate from 0°C to +60°C.

Lower TCO

Reliability is just one aspect of how the RXi-EP Box IPC reduces your cost of ownership. The RXi-EP Box IPC delivers on the promise of low TCO through features such as compact size, reduced maintenance, low power consumption, and ease of future performance upgrades enabled by our innovative rugged COM Express CPU architecture.

FEATURE	BENEFIT
2.26GHz Intel Core 2 Duo; 1.4 and 1.7 GHz Intel Core i7	• Delivers high performance computing for applications that need to load, manipulate and store large amount of data, or to handle multiple communication ports in real-time applications
Fanless operation	• A robust, reliable solution with no moving parts and minimized dust contamination
Three Gigabit Ethernet ports (two with Time SYNC IEEE1588 and 802.1AS)	• Network implementation flexibility • Multiple high-speed Ethernet links for communication-centric applications with support for deterministic transfer of data/commands
One PCI Express low profile expansion slot	• Allows you to add new functionality on demand to support the specific application needs

PACSystems RXi-EP Box IPC

Specifications

Processor
- Intel® Core™ 2 Duo processor, up to 2.26GHz
- Intel Core i7 processor, at 1.7 GHz
- Intel Celeron at 1.4 GHz

Memory
- Up to 4 GB DDR3 - with Intel Core 2 Duo
- Up to 4 GB DDR3 ECC - with Intel Core i7

Non-Volatile Memory
- 128 kByte nv-SRAM (flat memory)
- Storage for process relevant data
- With Intel Core i7 only

2.5 inch SATA Interface
- Optional internal 2.5" SATA hard disk or 2.5" SATA Solid State Drive (SSD) – user accessible
- Usage of SSD for shock and vibration immunity as well as extended temperature applications

CFast Card Slot
- CFast slot with external access
- CFast card, bootable
- Operates in parallel with optional onboard HDD/SSD

Ethernet
- 3 Ethernet (10, 100, 1000 Mbit) ports
- 10/100/1000BaseT auto-negotiation
- 2 ports (1 & 2) support Time SYNC (IEEE1588 and 802.1AS) based on Intel 82574IT

Wireless Communication
- WLAN optional via internal Mini PCIe card site

Video / Graphics Interface
- Display Port – with Core i7 processor only
- VGA Port

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

Expansion
- Internal Mini PCIe card site (e.g. for WLAN, GPRS, etc.)
- 1 PCI Express x4 slot for low profile cards

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

Others
- Timer (IO Hub integrated): Legacy PC AT; High Precision Event Timer
- Watchdog (IO Hub integrated)
- Temperature sensors: Intel on-die TDS – Software readable (-15°C to +105°C)
- Internal box temperature with status LED for over-temperature
- Real Time Clock: RTC 146818 compatible, Li-battery
- Battery: Access of the device for exchange

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

Environmental

All values under typical conditions without added expansion slot cards.

For detailed information please read the manual.

Range	Operating	Storage
Standard	Refer to Ordering Information table[1]	-40°C to +85°C
Extended	-20°C to +60°C	-40°C to +85°C

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

	Operating	Storage
Humidity	5-95% @ +40°C	5-95% @ +40°C
Altitude	15000 ft. (4.5 km)	40000 ft. (12 km)

BIOS
- AMI via SPI interface

Dimensions (H x W x D)
- 182 x 233 x 98 mm (7.16 x 9.2 x 3.86 inch)

Mechanical
- Rugged aluminum housing for optimal thermal management and durability
- Protection against particles based on IP20
- Flat and Slim (Book) mounting orientation options

Software Support
- Microsoft® Windows® 7 Professional (32-/64-Bit)
- Linux, Kernel 2.6.32

Safety
- Designed to meet standard UL1950, CE class A, FCC-A

Ordering Information

PART NUMBER	DESCRIPTION	OPERATING TEMPERATURE
ICRXIFF7R111A	RXI EP Celeron 1.4 GHz, 4GB, WIN7, 320 GB HDD	0°C to +65°C
ICRXIFF7F111A	RXI EP Celeron 1.4 MHz, 4GB, WIN7, 128GB SSD	0°C to +65°C
ICRXIFE7R111A	RXI EP ULV 1.7 MHz, 4GB, WIN7, 320 GB HDD	0°C to +60°C
ICRXIFF7F111A	RXI EP ULV 1.7 MHz, 4GB, WIN7, 128GB SSD	0°C to +60°C
ICRXIFF0F111A	RXI EP Celeron 1.4 MHz, 4GB, NO OS, 128GB SSD	0°C to +65°C

Accessories

ICRXIACCMP01 Mounting plate for book shelf (Slim orientation) mounting for ICRXISxxxxxxx Box IPC-EP versions.

About GE Intelligent Platforms

GE Intelligent Platforms provides industrial software, control systems and embedded computing platforms to optimize our customers' assets and equipment. Our goal is to help our customers grow the profitability of their businesses through high-performance solutions facilitated by the Industrial Internet. We work across industries, including manufacturing, water, oil & gas, mining, power, defense and aerospace. A division of GE, we are headquartered in Charlottesville, VA. www.ge-ip.com

GE Intelligent Platforms Contact Information

Americas: **1 800 433 2682** or **1 434 978 5100**
Global regional phone numbers are listed by location on our web site at **www.ge-ip.com/contact**

www.ge-ip.com

©2014 General Electric Company. All Rights Reserved. *Trademark of GE Intelligent Platforms, Inc., a wholly-owned subsidiary of General Electric Company. All other brands, names or trademarks are property of their respective owners. Specifications are subject to change without notice.

05.14 GFA-1910B

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP