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Find the *Abaco Systems ICRXIBN7E000A* at our website: *Click HERE*

GE
Intelligent Platforms



PACSystems* RXi Box IPC

High Performance Industrial PC for Computing at the Machine

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 uniquely powerful industrial computing platform – the PACSystems RXi 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.

High-Performance Computing

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

GE selected a dual core processor as the computing platform for the RXi Box IPC because of its excellent balance of performance with low power consumption. The RXi Box IPC has 4 GB of RAM, multiple Gigabit Ethernet interfaces, and 32 GB of industrial grade high-speed SSD storage (or optional 250 GB hard disk) to complete the high-performance design. These high performance specifications make the RXi Box IPC the perfect platform for running GE's Proficy applications or other industrial applications right at the machine, even in the harshest environments.

The RXi Box IPC can be used in conjunction with GE's RXi Modular Displays, a family of high performance industrial touch screen displays to create a modular panel PC solution for visualization on the factory floor.

Greater Uptime

From the use of all industrial grade components to its fanless design, all aspects of the RXi Box IPC have been engineered for reliability in harsh environments. The core of the RXi Box IPC architecture is GE's rugged COM Express modular CPU platform. GE incorporated patented thermal monitoring technology with sophisticated passive cooling techniques to provide a high-performance, fanless industrial computing platform that can operate from -25°C to +65°C.

Lower TCO

Reliability is just one aspect of how the RXi Box IPC reduces your cost of ownership. The RXi 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
Dual core COM Express CPU module	High-performance, upgradeable modular architecture
4 GB of RAM, Gigabit Ethernet, SSD storage	High-performance industrial grade peripherals support rugged, high-speed computing and networking applications
Fanless design with operating temperature range of -25°C to +65°C	Highly reliable, maintenance-free industrial computing

PACSystems RXi Box IPC

Specifications

Processor
- Via Eden dual core 1.0 GHz processor

Memory
- 4 GB RAM

Storage
- 32 GB Industrial Grade SSD – Standard
- Optional 250 GB Hard Drive

SD Card
- SD Card Slot on Intelligent Faceplate

Ethernet
- 2 Ethernet (10, 100, 1000 Mbit) ports with separate Ethernet controllers

Wireless Communication
- WLAN optional via internal Mini PCIe card site

Serial Communications
- RS-232 port (RJ-45)

Video / Graphics Interface
- VGA Port – support up to 2560x1440 resolution @ 60Hz

Audio (via IFP)
- Mini DIN audio jack

USB Interface
- 2 USB 2.0 Standard Size ports – External

Expansion
- Internal Mini PCIe card site (e.g. for WLAN, GPRS, etc)

Indicators (on Intelligent Faceplate)
- Power, SATA, Eth Link / Activity,
- Battery Status, Over-temperature

Others
- 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
- 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.

Storage Device	Operating	Storage
SSD	-25°C to +65°C	-40°C to +85°C
HHD	0°C to +50°C	-40°C to +85°C

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

Dimensions (H x W x D)
- 192 x 116 x 79 mm (7.55 x 4.55 x 3.1 inch)

Mechanical
- Rugged aluminum housing for optimal thermal management and durability
- Protection against particles based on IP20

BIOS
- AMI

Software Support
- Microsoft® Windows® 7 Professional (32-/64-Bit)

Safety
- UL, CE
- Class 1, Div 2 (pending)

Ordering Information

ICRXIBN7E000A	RXI Box IPC, 32 GB SSD, Microsoft Windows 7 Professional. Includes ICRXIACCIFM01A – Intelligent Faceplate
ICRXIBN7M000A	RXI Box IPC, 250 GB HHD, Microsoft Windows 7 Professional. Includes ICRXIACCIFM01A – Intelligent Faceplate
ICRXIBN0E000A	RXI Box IPC, 32 GB SSD, No Operating System. Includes ICRXIACCIFM01A – Intelligent Faceplate
ICRXIBN0M000A	RXI Box IPC, 32 GB SSD, No Operating System. Includes ICRXIACCIFM01A – Intelligent Faceplate
ICRXIACCBPL	RXI DIN mounting backplate

About GE Intelligent Platforms

GE Intelligent Platforms is a division of GE that offers software, control systems, services, and expertise in automation and embedded computing. We offer a unique foundation of agile and reliable technology providing customers a sustainable competitive advantage in the industries they serve, including energy, water, consumer packaged goods, oil and gas, government and defense, and telecommunications. GE Intelligent Platforms is headquartered in Charlottesville, VA. For more information, visit www.ge-ip.com.

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