

RXi2-LP Industrial PC

The Next Generation of Ruggedized Computing

Emerson has developed the next generation of its small, reliable and yet powerful industrial computer (IPC) in the RXi2-LP. Joining the rest of the family of RXi2 IPCs, the RXi2-LP (Low Profile) fills a niche with new processors, fast SSD storage, strong graphics, and enhanced security features in a compact form factor.

The RXi2 – LP IPC delivers compact, rugged, and mid-range performance computing capabilities to run HMI, historian, and analytics applications right at the machine. This enables improved real-time control of operations and better integration into plant-wide systems. Combining strong computing and graphical capability with a small form factor, the RXi2-LP IPC is ideal for a range of industrial applications.

High Performance

The RXi2 – LP IPC comes with either a Dual Core 1.0 GHz processor or a Quad Core 1.2GHz Processor with 4GB or 8GB of available DDR3 RAM. With Windows 10 IOT Enterprise LTSB OS installed standard, the RXi2 – LP IPC is ready to meet your software needs. Coupled with up to 4 USB and 4 separately addressable Gigabit ethernet ports, the RXi2-LP creates a compact high-performance platform that lowers total cost of ownership. Seamless replacement of either component allows for powerful upgrades to the underlying computing technology.



Greater Uptime

All aspects of the RXi2-LP IPC have been engineered for reliability in harsh environments, from the use of all industrial grade components to its fanless design. To help keep data and operations secure, the RXi2-LP utilizes Trusted Platform Module 2.0 (TPM) and Microsoft Secure Boot technology. Security coupled with RXi2-LP's strong shock and vibration resistance makes that the RXi2-LP a strong offering in the market.

Enhanced Productivity & Lower TCO

The RXi2-LP IPC combines strong performance with reliability, enhancing productivity and low total cost of ownership through features such as compact size, reduced maintenance, low power consumption. The ability to add a screen to the back of the unit and create a Panel PC offers additional flexibility.

Feature	Benefit
2nd Generation AMD G-Series SOC	<ul style="list-style-type: none"> Delivers mid-tier performance computing for applications that load, manipulate and store large amounts of data, or handle multiple communication ports in real-time
Modular Components	<ul style="list-style-type: none"> Easily attach a screen to your existing computing unit
Up to 4 Gigabit Ethernet ports	<ul style="list-style-type: none"> Network implementation flexibility Multiple high-speed Ethernet links for communication-centric applications with support for deterministic transfer of data/commands
Small or Large form factor	<ul style="list-style-type: none"> Low Profile unit with two form factors to fit various applications

Specifications

Processor

- AMD G-Series SOC 2nd Generation GX-210HL Processor, 7W 2c 1.0GHz 1MB cache
- AMD G-Series SOC 2nd Generation GX-412GC Processor, 15W 4c 1.2-1.6GHz 2MB cache

Memory

- 4GB or 8GB DDR3L Memory
- Soldered, with ECC

Storage Interfaces

- Primary storage device – SATA Slim
- 32GB / 64GB / 128GB

Ethernet

- Four 1-gigabit Ethernet channels – RJ-45 standard

Video/Graphics Interface

- GPU frequency 267MHz Dual Core GX-210HL / 300MHz Quad Core GX-412GC
- Single DisplayPort++ 1.2 for a total of 2 independent displays or 1 independent screen when additional screen is attached to the unit

USB Interface

- Two USB 3.0 external
- Two USB 2.0 external (on Quad core models)

Serial Communications

- One RS232, One RS422/485 RTC
- RTC with Lithium coin cell battery

Power

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

Environmental Temperature Range

- Operating range: -30°C to +65°C
- Storage range: -30°C to +70°C

Mechanical

- Rugged aluminum and stainless-steel housing for optimal thermal management and durability
- IP20 – Protection against particles
- Flat mounting orientation options:
 - VESA Mount option with screen attached
 - 75 x 75 on small
 - 100 x 100 on large

Software Support

- Microsoft® Windows® 10 IOT LTSB Certifications
- UL1950, CE class A, FCC-A

Dimensions (H x W x D)

- Small, Dual Core, 37 x 119 x 180.8 mm (1.46 x 4.69 x 7.12 in)
- Large, Quad Core, 33.7 x 160 x 298.3 mm (1.33 x 6.30 x 11.74in)

Ordering Information

Part Number	Description
R2L0N1A1A	RXi2-LP IPC, Dual Core GX-210HL 1GHz, 4GB RAM, 32GB SSD, 2xRJ45, Windows 10 IOT Enterprise LTSC
R2L0N1A0A	RXi2-LP IPC, Dual Core GX-210HL 1GHz, 4GB RAM, 32GB SSD, 2xRJ45, No OS
R2L0N1B1A	RXi2-LP IPC, Quad Core GX-412GC 1.2GHz, 4GB RAM, 32GB SSD, 4xRJ45, Windows 10 IOT Enterprise LTSC
R2L0N1B0A	RXi2-LP IPC, Quad Core GX-412GC 1.2GHz, 4GB RAM, 32GB SSD, 4xRJ45, No OS
R2L0N1A1B	RXi2-LP IPC, Dual Core GX-210HL 1GHz, 4GB RAM, 64GB SSD, 2xRJ45, Windows 10 IOT Enterprise LTSC
R2L0N1A0B	RXi2-LP IPC, Dual Core GX-210HL 1GHz, 4GB RAM, 64GB SSD, 2xRJ45, No OS
R2L0N1B1B	RXi2-LP IPC, Quad Core GX-412GC 1.2GHz, 4GB RAM, 64GB SSD, 4xRJ45, Windows 10 IOT Enterprise LTSC
R2L0N1B0B	RXi2-LP IPC, Quad Core GX-412GC 1.2GHz, 4GB RAM, 64GB SSD, 4xRJ45, No OS
R2L0N1A1C	RXi2-LP IPC, Dual Core GX-210HL 1GHz, 4GB RAM, 128GB SSD, 2xRJ45, Windows 10 IOT Enterprise LTSC
R2L0N1A0C	RXi2-LP IPC, Dual Core GX-210HL 1GHz, 4GB RAM, 128GB SSD, 2xRJ45, No OS
R2L0N2A1C	RXi2-LP IPC, Dual Core GX-210HL 1GHz, 8GB RAM, 128GB SSD, 2xRJ45, Windows 10 IOT Enterprise LTSC
R2L0N2A0C	RXi2-LP IPC, Dual Core GX-210HL 1GHz, 8GB RAM, 128GB SSD, 2xRJ45, No OS
R2L0N1B1C	RXi2-LP IPC, Quad Core GX-412GC 1.2GHz, 4GB RAM, 128GB SSD, 4xRJ45, Windows 10 IOT Enterprise LTSC
R2L0N1B0C	RXi2-LP IPC, Quad Core GX-412GC 1.2GHz, 4GB RAM, 128GB SSD, 4xRJ45, No OS
R2L0N2B1C	RXi2-LP IPC, Quad Core GX-412GC 1.2GHz, 8GB RAM, 128GB SSD, 4xRJ45, Windows 10 IOT Enterprise LTSC
R2L0N2B0C	RXi2-LP IPC, Quad Core GX-412GC 1.2GHz, 8GB RAM, 128GB SSD, 4xRJ45, No OS

United State Office

Emerson Automation Solutions
Intelligent Platforms, LLC
2500 Austin Dr
Charlottesville, VA

China Office

Emerson Automation Solutions Intelligent
Platforms (Shanghai) Co., Ltd
No.1277, Xin Jin Qiao Rd, Pudong,
Shanghai, China, 201206

Singapore Office

Emerson Automation Solutions Intelligent
Platforms Asia Pacific Pte. Ltd.
1 Pandan Cres,
Singapore, 128461

Germany Office

Emerson Automation Solutions
ICC Intelligent Platforms GmbH
Memminger Straße 14
Augsburg, DE 86159

Brazil Office

Emerson Automation Solutions
Av. Hollingsworth, 325 – Iporanga
Sorocaba – SP, 18087-105

India Offices

Emerson Automation Solutions
Intelligent Platforms Pvt. Ltd.,
Building No.8, Ground Floor
Velankani Tech Park, No.43
Electronics City Phase I, Hosur Rd
Bangalore-560100

Americas Support – Technical and Commercial

Phone: 1-888-565-4155 or 1-434-214-8532 (if toll free 800 option is unavailable)

Email for Technical Support: support.mas@emerson.com

Email for Commercial Support: customercare.mas@emerson.com

Primary language of support: English

Europe, Middle East, & Africa Support – Technical and Commercial

Phone: +800-4-444-8001

or +420-225-379-328 (if toll free 800 option is unavailable or dialing from a mobile telephone)

Email for Technical Support: support.mas.emea@emerson.com

Email for Commercial Support: customercare.emea.mas@emerson.com

Primary languages of support: English, German, Italian, Spanish

Asia Support – Technical and Commercial

Phone: +86-400-842-8599 for Greater China

+65-6955-9413 (All Other Countries)

Email for Technical Support: support.mas.apac@emerson.com

Email for Commercial Support Asia: customercare.cn.mas@emerson.com

Primary languages of support: Chinese, English

Support Website: www.emerson.com/iac-support

Home Website: www.emerson.com/industrial-automation-controls

©2020 Emerson. All rights reserved.

The Emerson logo is a trademark and service mark of Emerson Electric Co. All other marks are property of their respective owners. The contents of this publication are presented for information purposes only, and while effort has been made to ensure their accuracy, they are not to be construed as warranties or guarantees, express or implied, regarding the products or services describe herein or their use or applicability. All sales are governed by our terms and conditions, which are available on request, We reserve the right to modify or improve the designs or specifications of our products an any time without notice.

