

RXi2-BP Industrial PC

IMPORTANT PRODUCT INFORMATION (IPI)

Introduction

The RXi2-BP IPC industrial computing platform delivers compact, rugged, mid to high-performance computing, and high-performance graphics capabilities to run HMI, historian, and analytics applications for real-time control of operations.

The RXi2-BP IPC (NextGen IPC) is composed of the following components:

- mC10L19 COM Express module based on AMD Ryzen V1000 or R1000 series
- CEC10 COM Express type 10 carrier board
- Industrial grade enclosure with heat sink for the module and carrier components

Current Release Information

Component	Version Number
PACEdge	2.2.0
Movicon.NEXt devices	4.2
Containers	Version Number
MQTT	2.0.11
MySQL (Mariadb)	10.5.11
Node-RED	1.3.5
InfluxDB	1.8.6
Chronograf	1.8.8
Grafana	7.5.7
Portainer	2.5.1
NGINX	1.21.0
Traefik	2.4.8
Telegraf	1.18.3
Connex/WebHMI	4.1

Field Upgrades

Upgrades are available for download <https://www.emerson.com/Industrial-Automation-Controls/Support>.

Users should navigate to the **Software** Tab and then select **Downloads** to find a list of upgrades.

Upgradeable Component	New Version	Part Number	Notes
PACEdge 2.2.2	PACEdge 2.2.2 + WebHMI	UPGRADE_WEBHMI_BP	For purchase.
PACEdge 2.2.2	PACEdge 2.2.2 + Connex	UPGRADE_CONNEXT_LPBP	For purchase.
PACEdge 2.1 (all HW) PACEdge 2.1.1 (all HW)	PACEdge 2.2.0	PEv220UBUpdate PEv220AppUpdate	Two packages for upgrading from PACEdge version 2.1 or version 2.1.1 to version 2.2.0. PEv220UBUpdate is for host Ubuntu operating system. PEv220AppUpdate is for PACEdge Applications. (Free update)
PACEdge 2.0	PACEdge 2.1	N/A	Free upgrade. Upgrade kit for RXi2-BP w/PACEdge 2.1. (Available to download from the product landing page.)
PACEdge 2.0	PACEdge 2.1 + Connex	UPGRADE_CONNEXT_LPBP	For purchase. Contact Customer Care. (Available to download from the product landing page.)
PACEdge 2.0	PACEdge 2.1 + WebHMI	UPGRADE_WEBHMI_BP	For purchase. Contact Customer Care. (Available to download from the product landing page.)
UEFI	V1.10	N/A	Contact technical support or download from product landing page

Only clients with RXi2-BP units with PACEdge 2.0 (R2B0N9E4N3A0A & R2B0N1E1N3A0A) are eligible to download the latest PACEdge 2.1 upgrade from the SFDC landing page.

In addition, if the client wants to upgrade their existing PACEdge 2.0 license to add Movicon Connex or Movicon WebHMI on top of PACEdge 2.1, the corresponding upgrade part number should be ordered (UPGRADE_CONNEXT_LPBP, UPGRADE_WEBHMI_BP). The serial number of the existing RXi2-BP device is required to be provided at the time of order. Emerson Customer Care will then provide the license activation.

Release History

Hardware Version	UEFI Firmware Version	Date	Description
V1.8 ¹	1.10	May 2023	Updated for Movicon.NExt 4.2 release.
V1.8	1.10	Oct 2022	Adds support for PACEdge 2.2.0
V1.6	1.10	Jul 2021	1 slot variant released
V1.5	1.10	Jun 2021	Carrier update
V1.4	1.10	Dec 2020	New UEFI
V1.3	1.09	Oct 2020	CPU module update
V1.2	1.09	Oct 2020	Initial Release

RXi2-BP IPC: Functional Compatibility

Compatibility Issue	Description
N/A	N/A

Restrictions and Open Issues

Subject	Description
Serial Port Detection	Port1 shows up in the wrong configuration. The configuration must be changed from RS232 to RS422 in the device manager. This applies to Microsoft Windows only.
Wake on LAN Error	WoL from cold S5 is not functional on Ethernet ports 1, 2, and 3. Note: Cold state S5 cannot be entered in the default IPC configuration.

Problems Resolved in Current Release

Subject	Description
UEFI	Updates related to Cybersecurity and stability

¹ First release occurred in Dec 2021 (PACEdge 2.1); second release occurred in Oct 2022 (PACEdge 2.2).

Operational Notes

Movicon.NExT License File Recovery in Windows 10

An IPC pre-installed with Windows 10 and a Movicon.NExT software package ships with the license files already activated and ready to use. In the case of a major software crash, the IPC will require a re-image of the Windows’s license files, which will have to be manually re-installed. Emerson Customer Care should assist with this re-installation. Please refer to GFK-3187, *RXi2-BP User Manual* for detailed instructions on obtaining and reinstalling the license files.

Movicon.NexT Demo Mode

Movicon.NExT software can be used to design data flows, alarms, and HMI screens (Editor mode) as well as to execute already designed projects (Runtime mode). Industrial PCs with pre-installed Movicon.NExT software are licensed for runtime operation only and not for editor/development mode. When launching a project on this IPC, the user is expected to launch the runtime only (i.e., launch project directly instead of opening it from the Movicon editor tool). If the user opens the editor tool, they will see a pop-up stating that it is running in Demo Mode. This message is referencing the editor functionality only and is expected. If you need an editor license, please contact your Emerson sales representative to make your purchase.

Related Information

PACEdge User's Manual	GFK-3178
PACEdge Important Product Information	GFK-3198
RXi2-BP Quick Start Guide	GFK-3196
PACEdge Secure Deployment Guide	GFK-3197
RXi2-BP Hardware Reference Manual	GFK-3187
Industrial PC Secure Deployment Guide	GFK-3200
RXi2-BP Industrial PC Datasheet	00813-0100-0134

General Contact Information

Home link: <http://www.emerson.com/industrial-automation-controls>

Knowledge Base: <https://www.emerson.com/industrial-automation-controls/support>

Technical Support

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Phone: 1-888-565-4155
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Europe

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+420-225-379-328 (If toll free option is unavailable)

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+65-6955-9413 (All other Countries)

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

Any escalation request should be sent to mas.sfdcescalation@emerson.com

Note: If the product is purchased through an Authorized Channel Partner, please contact the seller directly for any support.

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