

# **PACEdge**

## **IMPORTANT PRODUCT INFORMATION**



## Warnings and Caution Notes as Used in this Publication

### **WARNING**

Warning notices are used in this publication to emphasize that hazardous voltages, currents, temperatures, or other conditions that could cause personal injury exist in this equipment or may be associated with its use.

In situations where inattention could cause either personal injury or damage to equipment, a Warning notice is used.

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### **CAUTION**

Caution notices are used where equipment might be damaged if care is not taken.

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Note: Notes merely call attention to information that is especially significant to understanding and operating the equipment.
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# Introduction

PACEdge processing maximizes the value of your data by improving operational reliability, safety, and energy. PACEdge provides all aspects of edge processing and simplifies your IIoT application development, deployment, and administration. All components necessary in the IIoT application lifecycle are brought together in one package to provide a unified interface to decrease your development time and increase your deployable footprint.

This document serves as a resource for users that wish to quickly locate notes about improvements, bugs, or resolved issues as well as any auxiliary information about the PACEdge software.

## Current Release Information

Component	Version Number
PACEdge	2.1
Movicon.NExT devices	4.1
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

## Related Information

PACEdge User's Manual	GFK-3178
RXi2-LP Quick Start Guide	GFK-3074
RXi2-BP Quick Start Guide	GFK-3196
PACEdge Secure Deployment Guide	GFK-3197
RXi2-BP User's Manual	GFK-3187
RXi2-BP Secure Deployment Guide	GFK-3200

## Field Upgrades

Upgrades are available for download on the Software Orders and Downloads page.

Upgradeable Component	New Version	Part Number	Notes
PACEdge 2.1.1 (CPE400)	No change	IC695ACCTP0-AA	RX3i CPE400 Telemetry Protocol Option For purchase.
PACEdge 2.1.1 (CPL410)	No change	IC695ACCTP1-AA	RX3i CPL410 Telemetry Protocol Option For purchase.
PACEdge 2.1.1 (CPE400)	No change	IC695ACCFP0-AA	RX3i CPE400 Facilities Protocol Option For purchase.
PACEdge 2.1.1 (CPL410)	No change	IC695ACCFP1-AA	RX3i CPL410 Facilities Protocol Option For purchase.
PACEdge 2.1.1 (CPE400)	No change	IC695ACCMD0-AA	RX3i CPE400 Multi Drivers Option For purchase.
PACEdge 2.1.1 (CPL410)	No change	IC695ACCMD1-AA	RX3i CPL410 Multi Drivers Option For purchase.
PACEdge 2.1 (all HW)	PACEdge 2.1.1	Patch v2.1.1	Patch to upgrade v2.1 to v2.1.1 Updates, applied via Patch file: <ul style="list-style-type: none"> <li>Updated Movicon container (Connex, WebHMI)</li> <li>Update to the license. Connex and WebHMI SKUs now enable 3 drivers and support MQTT protocol.</li> <li>Update allows user to purchase protocol upgrade for CPL410 and CPE400 products</li> <li>Bug fix in password management utility, now allowing to use special characters in password</li> </ul> (Free update)
PACEdge 1.0 (CPE400, CPL410)	PACEdge 2.1		Free upgrade. Upgrade kit for CPE400/CPE410 w/PACEdge 2.1
PACEdge 2.0 (Rxi2-BP, -LP)	PACEdge 2.1	N/A	Free upgrade. Upgrade kit for Rxi2-BP w/PACEdge 2.1
PACEdge 2.0 (Rxi2-BP, -LP)	PACEdge 2.1 + Connex	UPGRADE_CONNEX_LPBP	For purchase.
PACEdge 2.0 (Rxi2-BP)	PACEdge 2.1 + WebHMI	UPGRADE_WEBHMI_BP	For purchase.
UEFI	V1.10	N/A	Contact technical support

# Important Product Information for this Release

## Release History

PACEdge SW Version	Date	Description
2.1.1	Feb 2022	Updates, applied via Patch file: <ul style="list-style-type: none"> <li>Updated Movicon container (Connex, WebHMI)</li> <li>Update to the license. Connex and WebHMI SKUs now enable 3 drivers and support MQTT protocol.</li> <li>Update allows user to purchase protocol upgrade for CPL410 and CPE400 products</li> <li>Bug fix in password management utility, now allowing to use special characters in password</li> </ul>
2.1.0	Dec 2021	Release of PACEdge version 2.1
2.0.1	Oct 2021	Updates to Restrictions and Open Issues Section: PACEdge container logging mechanism, especially for InfluxDB, will continue to write logs into disc, eventually completely filling it up.
2.0.1	Sep 2020	Initial Release

## PACEdge: Functional Compatibility

Compatibility Issue	Description
Will require a valid PACEdge 2.1 license	When upgrading from PACEdge 2.0 to PACEdge 2.1 user will have to obtain a valid license from Emerson Customer Care.

## Restrictions and Open Issues

Subject	Description
None	None

## Problems Resolved in Current Release

Subject	Description
Special characters in PACEdge passwords, when used, will result in user authentication problems	PACEdge 2.1.0 had an issue that special characters, when used, would break password management utility and result in problems when logging into individual applications. Release v2.1.1 is still not supporting special characters but is automatically checking the new password for compliance.

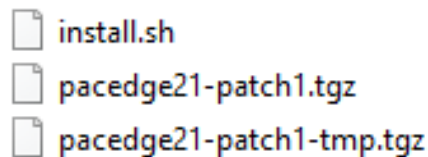
# Operational Notes

## Instructions to Apply v2.1 Patch 1

1. Download the patch version v2.1 Patch1 from [Emerson Software Downloads](#) site (file: **PACEdge-V21-Patch-1.zip**).
2. Unzip the files and copy **PACEdge-V21-Patch-1** folder to an empty USB stick (at least 8 GB in size).
  - a. File folder PACEdge-V21-Patch-1 will have following files:

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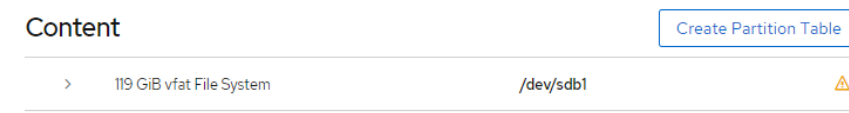
**Figure 1: Extract Files**



- b. Insert the USB stick into any USB port on PACEdge device.  
**Note:** On CPL410 and CPE400, use USB1 port
- c. Open Cockpit, login as admin, go to **Storage** tab.
- d. Click on your USB device located at the bottom of the filesystems list.
- e. Click on entry in Content field (xxGiB vfat File System) and then click on the **Mount** button.

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**Figure 2: Content Field**

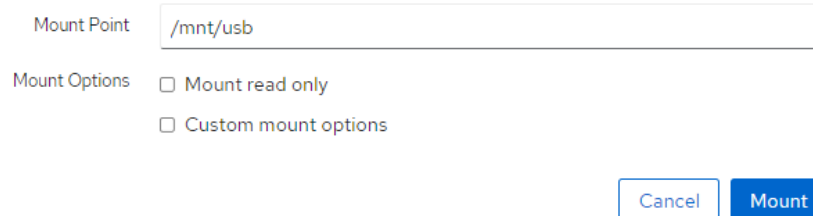


- f. In dialogue that opens, in Mount Point enter: `/mnt/usb` (leave everything else at default values) and click on **Mount**.

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**Figure 3: Mount Filesystem**

### Mount Filesystem

A screenshot of the 'Mount Filesystem' dialog box. It has a 'Mount Point' field containing '/mnt/usb'. Below it are 'Mount Options' with two checkboxes: 'Mount read only' and 'Custom mount options', both of which are currently unchecked. At the bottom right are two buttons: 'Cancel' and 'Mount'.

- g. In Cockpit, go to Terminal tab and execute following commands:

```
cp -r /mnt/usb/PACEdge-V21-Patch-1/ /home/admin/  
cd PACEdge-V21-Patch-1/  
./install.sh
```

- h. In the dialogue that opens, use the Tab key to highlight **<Yes>** and press the enter key.
- i. When asked, enter the admin password.
- j. Installation will take few minutes. Once complete, the user will see a dialogue box that states it was successfully completed. Once the user highlights **OK** and presses the enter key, the user will be back in Cockpit terminal window.
- Note:** In the terminal window the user will likely see lots of printout messages. Ignore the messages, this is an output from the script performing the installation and clean up.
- k. Restart PACEdge by going to **Overview** Tab and selecting **Restart** or by issuing the following command in terminal window: **reboot**

# General Contact Information

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

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

## Technical Support

### Americas

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

Customer Care (Quotes/Orders>Returns): [customercare.mas@emerson.com](mailto:customercare.mas@emerson.com)  
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Technical Support: [support.mas.apac@emerson.com](mailto:support.mas.apac@emerson.com)

Any escalation request should be sent to [mas.sfdcescalation@emerson.com](mailto: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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