

# PAC Machine Edition

Version 9.80 SIM 15

ver. 9.8



PAC Machine Edition

Install Machine Edition

Install Change Management

Important Product Information

Browse the DVD

Exit

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## 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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# PAC Product Information

| Product                                                                                                                                                                   | Version |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| PAC Machine Edition<br>Logic Developer PLC<br>QP+ (View / PC)                                                                                                             | 9.80    |
| PAC Change Management<br>Server<br>Client<br>Scheduler Engine                                                                                                             | 9.80    |
| PAC Productivity Suite <sup>1</sup>                                                                                                                                       | 3.80    |
| <b>Note</b> <sup>1</sup> PAC Productivity Suite is made up of several chained installs that will install the required components and is only available from the PPS Disk. |         |

| Product           | Version | Engineering Workstation | Operator Console | Application Server | System Server |
|-------------------|---------|-------------------------|------------------|--------------------|---------------|
| PME (LD PLC)      | 9.80    | √                       |                  |                    |               |
| HMI (CIMPPLICITY) | 10.00   | √                       | √                | √                  |               |
| EGD Driver        | 7.40k   | √                       | √                | √                  | √             |
| EGD Tools         | 6.01    | √                       | √                | √                  | √             |

## Revision History

| Issues              | Date           | Description                                                    |
|---------------------|----------------|----------------------------------------------------------------|
| Version 9.8, SIM 15 | Nov 2024       | Bug Fixes                                                      |
| Version 9.8, SIM 14 | Aug 2024       | Bug Fixes                                                      |
| Version 9.8, SIM 13 | May 2024       | Bug Fixes                                                      |
| Version 9.8, SIM 12 | May 2023       | Bug Fixes                                                      |
| Version 9.8, SIM 11 | Nov 2022       | Bug Fixes                                                      |
| Version 9.8, SIM 10 | June 2022      | Bug Fixes                                                      |
| Version 9.8, SIM 9  | November 2021  | Bug Fixes                                                      |
| Version 9.8, SIM 8  | August 2021    | Bug Fixes                                                      |
| Version 9.8, SIM 7  | May 2021       | Increased PROFINET devices for IC695CPL410, Bug fixes          |
| Version 9.8, SIM 6  | March 2021     | Release of Hardware Keys for PME, Bug fixes                    |
| Version 9.8, SIM 5  | January 2021   | PACSafe, Bug fixes                                             |
| Version 9.8, SIM 4  | September 2020 | IC695PMM345 Support, Bug fixes                                 |
| Version 9.8, SIM 3  | May 2020       | Rebranded View OPC Driver, Bug fixes                           |
| Version 9.8, SIM 2  | April 2020     | Produce EGD on Redundant IP, PROFINET GSDML Updates, Bug fixes |
| Version 9.8, SIM 1  | March 2020     | Bug fixes                                                      |

## Release Notes

When upgrading from Versions of PAC Machine Edition older than 9.0, your PME window settings and system options may be reset.

For PAC Productivity Suite users, an advisory has been issued for CIMPLICITY 10.0. Please refer to the following links:

- <https://www.us-cert.gov/ics/advisories/icsa-20-098-02>
- [https://digitalsupport.ge.com/communities/en\\_US/Article/GE-Digital-Security-Advisory-GED-20-02](https://digitalsupport.ge.com/communities/en_US/Article/GE-Digital-Security-Advisory-GED-20-02)

## Problems Resolved by this Release.

Primary customer support cases resolved in this SIM:

| Issues                                                                 | Defect ID#                  | Description                                                                                                                                                                |
|------------------------------------------------------------------------|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PME 10.1 New Variable Properties                                       | 2046625,<br>DE10386(ID854)  | When we import a 9.8 varibales.csv file from 10.0 exported file, there is a discrepancy in the data source. We have ensured it stored correct data source controller name. |
| Error 12506 Unable to RMS logic changes to Process PLC and EWS install | 2753123,<br>DE12125(ID1234) | To resolve the issue is, added a check before it Adds up the components and update the build location as it should be with NIU target.                                     |

| Issues                                                           | Defect ID#                | Description                                                                                                                                                  |
|------------------------------------------------------------------|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Variable count continues to increase after each upload.          | 2039651, DE10133 (ID836)  | Used smart pointer instead of raw pointer so when this pointer goes out of scope its reference count will get managed properly.                              |
| PME crash while project close.                                   | 2886665, DE12324 (ID1298) | To prevent the crash we need to add NULL check for pointer while configuring or removing the PROFINET LAN device to prevent PME crash                        |
| PME crash during drag and drop the variable on watch window.     | DE12340, INTERNAL         | To prevent the application from crashing, skip identifies the tag designated for deletion if the tag data store pointer is NULL.                             |
| PME Help and GFK-2571V PNIO_DevComm Text and Example Need Fixed. | DE11875(ID1175)           | Modified the help file with require details and also modified the <a href="#">GFK-2571Y - PACSystems RX3i and RSTi-EP.docx</a> user manual document as well. |
| Companion Help wrong for BIT_SET_DWORD                           | DE7931, INTERNAL          | Update the bit size of DWORD type instruction to Length*32(BIT_CLR_DWORD, BIT_SET_DWORD & BIT_TEST_DWORD) in companion help file.                            |
| Array indexes with array indexes won't compile                   | 1917756, DE8173(ID737)    | Handled the array head condition with other conditions and showing the error only for Array head like Arr[Arr1] statement not for Arr[Arr1[0]].              |

For a complete and detailed history, please visit the PME support page:

[https://emerson-mas.force.com/communities/en\\_US/Article/Machine-Edition-Latest-available-SIMs-Landing-Page](https://emerson-mas.force.com/communities/en_US/Article/Machine-Edition-Latest-available-SIMs-Landing-Page)

## New Features

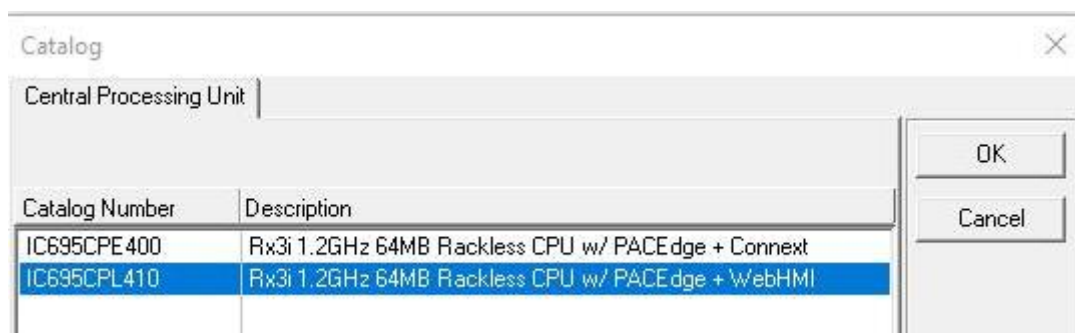
### Logic Developer PLC

#### IC695CPL410 Increased PROFINET Device Support

A CPL410 with Firmware Version 10.15 may be configured with up to 64 PROFINET I/O devices, 32 of which may be redundant.

#### IC695CPL410 & IC695CPE400 Catalog Names

CPL410 and CPE400 include PACEdge.



### Updated Error Code for Controller CPU Faults

Added new Error code for Controller CPU Software faults (Group 135) for indicating Firmware Update Failed - HW Package Component Update Error.

### Produce EGD on Redundant IP

A new setting has been added for CPE400, CPL410, CPE330 and ETM001-Kxxx Ethernet settings to produce EGD on the redundant IP instead of the local IP when redundancy is enabled on the Ethernet node.

**Note:** This was also shipped in PME 9.50SIM 20 and PME 9.70SIM 2 for the CPE400 and CPL410. Support for the CPE330 and ETM001-Kxxx was shipped in PME 9.50 SIM 22 and PME 9.70 SIM 4.

## PACMotion IC695PMM345 Support

Added support for the IC695PMM345 Motion Module in the Machine Edition Hardware Configuration.

## PACMotion Workbench Tool

Added the ability to launch Emerson PACMotion Workbench tool from the Utilities ribbon bar.

## PROFINET GSDML Schema Support

Added the ability to import PROFINET GSDML's created with schema versions 2.34, 2.35 and 2.4.

## GSDML Updates

GSDML-V2.3-IntelligentPlatformsLLC-RX3iPNS-20191010

GSDML-V2.33-IntelligentPlatformsLLC-RSTi-OM-20210101

GSDML-V2.35-Intelligent Platforms, LLC-PACmotionVFD\_SysRedundancy-20210511

## New System Variables

Three new system variables were added: #DATA\_SRC(%S00051), #DSPOVTMP (%S00052) and #LG\_CFG\_SRC(%S00050). Refer to the help for more details.

## PACMotion VFD Studio

Added the ability to launch Emerson PACMotion VFD Studio application from Utilities ribbon bar.

## DNP3 Protocol

Added the ability to use and configure DNP3 protocol with the CPE400, CPL410, and CPE115.

## PACSafe

Added catalog support for PACSafe configurable safety controllers, I/O modules, and safety interface modules.

## Hardware Key Support

Hardware keys can now be used to license Machine Edition instances. The use of these keys is outlined in the **Emerson Software Licensing User Manual (GFK-3104)**. The end of this document contains all support links needed to find the most up to date version of this GFK.

**Note:** This support does not extend to PPS or PCM.

## Logic Developer PC/QP+

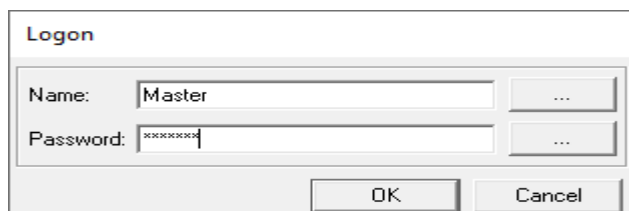
### Password Change on First Time Logon

The runtime **Logon** button launches Edit User List dialog, which allows the user to change their default password to a new password. (This dialog pops up only one time.) The new password will be preserved in that box (PC/ QP+/ QP Control) so the user should remember this new password. If the user forgets this password, the user should contact support for assistance.

1. Download and start the runtime.
2. Tap the **Logon** button.
3. The **Logon** dialog box appears.

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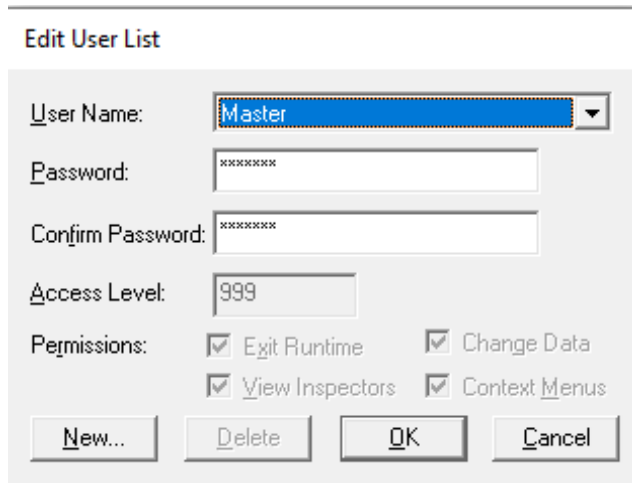
**Figure 1: Logon Dialog**



The screenshot shows a standard Windows-style dialog box titled "Logon". Inside the dialog, there are two labeled input fields. The first is "Name:" followed by a text box containing the word "Master" and a small downward-pointing arrow button. The second is "Password:" followed by a text box filled with masked characters (dots) and a similar downward-pointing arrow button. At the bottom of the dialog, there are two buttons: "OK" and "Cancel".

4. Tap inside the Name field to begin using View's built-in touch screen keypad to enter default username
5. Tap inside the Password field to begin using View's built-in touch screen keypad to enter default password.
6. Tap **OK**. The user must change the password for the default user after the first login. The below dialog box will appear:

**Figure 2: Edit User List**



**Edit User List**

User Name: Master

Password: xxxxxxx

Confirm Password: xxxxxxx

Access Level: 999

Permissions: ☒ Exit Runtime ☒ Change Data  
☒ View Inspectors ☒ Context Menus

New... Delete OK Cancel

## QuickPanel+ View

### Support for Automation Direct 'Direct Net 305' and 'Direct Net 405/205' on QP+.

Added Native Drivers support for Automation Direct 'Direct Net 305' and 'Direct Net 405/205' on QP+.

## View/LDPC

### Rebranding of View OPC Drivers

PME 9.80 SIM 3 contains rebranding of PAC View OPC drivers - PAC View Integrated OPC Server version 5.21.295.0

### View OPC Drivers

PAC View Integrated OPC Server is upgraded to version 5.21.296.0 from PME 9.80 SIM 4 onwards.

# Related Documents

For additional information about the Ethernet Interface Module, refer to the following publications:

|                                                                               |          |
|-------------------------------------------------------------------------------|----------|
| <i>PAC Machine Edition - View™ and PC Control – Getting Started Guide</i>     | GFK-1686 |
| <i>PAC Machine Edition - Logic Developer – PLC – Getting Started Guide</i>    | GFK-1918 |
| <i>Emerson Software Licensing User Manual</i>                                 | GFK-3104 |
| <i>Emerson Legacy Licensing Guide</i>                                         | GFK-3107 |
| <i>PAC Productivity Suite Configuration Guide</i>                             | GFK-3134 |
| <i>PAC Productivity Suite Installation, Operation, and Maintenance Manual</i> | GFK-3136 |
| <i>PAC Productivity Suite Application Setup and Configuration Guide</i>       | GFK-3137 |

# Additional Support

For support and information, visit Emerson’s support link located at the end of this document. The files for this manual and other related documentation are available there. Additional region- and language-specific websites and telephone numbers are found there as well.

## 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)  
Technical Support: [support.mas@emerson.com](mailto:support.mas@emerson.com)

### Europe

Phone: +800-4444-8001  
+420-225-379-328 (If toll free option is unavailable)

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

### Asia

Phone: +86-400-842-8599  
+65-6955-9413 (All other Countries)

Customer Care (Quotes/Orders/Returns): [customercare.cn.mas@emerson.com](mailto:customercare.cn.mas@emerson.com)  
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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