

PAC Machine Edition

Version 9.80 SIM 14

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.

CAUTION

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

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

These instructions do not purport to cover all details or variations in equipment, nor to provide for every possible contingency to be met during installation, operation, and maintenance. The information is supplied for informational purposes only, and Emerson makes no warranty as to the accuracy of the information included herein. Changes, modifications, and/or improvements to equipment and specifications are made periodically and these changes may or may not be reflected herein. It is understood that Emerson may make changes, modifications, or improvements to the equipment referenced herein or to the document itself at any time. This document is intended for trained personnel familiar with the Emerson products referenced herein.

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PAC Product Information

Product	Version
PAC Machine Edition Logic Developer PLC QP+ (View / PC)	9.80
PAC Change Management Server Client Scheduler Engine	9.80
PAC Productivity Suite ¹	3.80
Note ¹ 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 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

Problems Resolved by this Release.

Primary customer support cases resolved in this SIM:

Issues	Defect ID#	Description
Unexpected Behaviour from Refresh Variable References	2479733, DE11176	Unexpected Behaviour from Refresh Variable References
PNIO_DEV_COMM OK Output dropouts when online with controller	2029921/02030953, DE10989	Only zero the current reference tag if the current reference tag is different from the new reference tag.
PME crash during build EGD files on validate accept edit operation while controller is running	2031259, DE11901	PME try to build EGD auxiliary files and inside it try to create EGD exchanges using COM pointer "m_pIGEFEGDML" which was already become NULL from somewhere and PME gets crash while using it.

Issues	Defect ID#	Description
		To prevent application crash we need to first check pointer is valid or not, if its nullptr than we simply avoid EGD save files operation and give failure message "Error 12581: Failed to build auxiliary EGD files. to user and move ahead.
PME crash during process SMT file on accept online change operation	2031259, DE11953	During accept online change, PME creating and adding a layout to the layout change status map, PME got garbage layout and hence we got invalid UDFB element information, later on PME try to access it and got crash. To prevent the crash we need to add NULL check for UDFB element information pointer, if layout information is not valid we simply skip to add it in map.
950 sim23 - Project Compile fails due to erroneous Error 12520	1845761, DE7215	Modified help file with this non supported case as a possible cause and its solution.
PME crash during import EGD files on upload operation	2031259, DE11946	During upload operation from controller to PME, PME try to import EGD auxiliary files and inside it using COM pointer "m_pIGEFEGDML" which was already become NULL from somewhere and PME gets crash while using it. To prevent application crash we need to first check pointer is valid or not, if its nullptr than we simply avoid importing EGD files operation and give failure message to user and move ahead
PME crash when opening project	2353623, DE11792	To prevent the application crash, handled the failed case of preference object initialization and simply return it from there and display message to user for unable to initialize respective component from calling function.
Destroying (ie deleting) two project folders at the same time crashes PME	DE11341	To prevent PME crash, separately handled folder node delete operation when user try to delete list of folders.
RX3i profinet issue with KSB PumpDrive	2661243, DE11856	Start IOCRReference values at 1 instead of 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

New Features

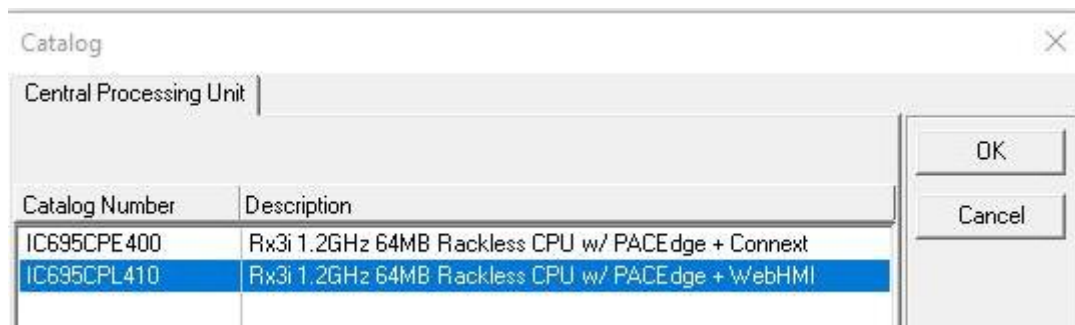
Logic Developer PLC

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 9.50 SIM 20 and PME 9.70 SIM 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.

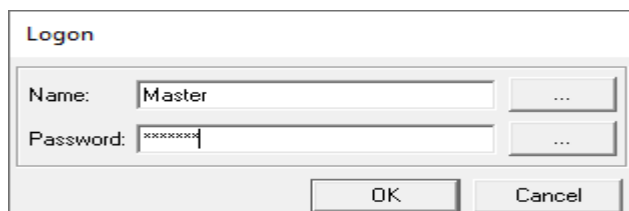
Logic Developer PC/QP+

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.

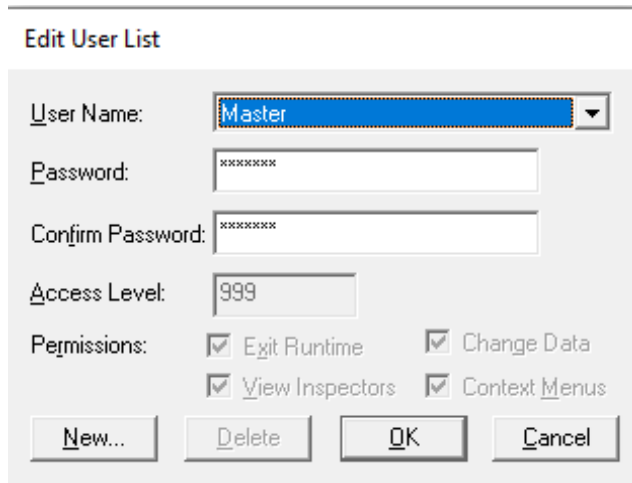
Figure 1: Logon Dialog



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
Technical Support: 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
Technical Support: 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
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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