

PAC Machine Edition

Version 9.80 SIM 13

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 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 CIMPPLICITY 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
QuickPanel+ frozen after showing too many error windows, Quickpanel+ - view script issue, Graphical Panel does not close when SIM 11 installed	DE11157, DE10355, DE10202	The execution time of the script event transition was fixed because it was not correctly reset to the current time.
QP application using indirect getting stuck on pop up window	DE10727	Runtime script execution is handled to close the panel when the mouse pointer crosses outside of the button zone.
Tag name changes when target name change	DE9810	Even if the editor is not launched, the pen expression tag will be renamed as the target name.
PME issue results in Bus Fault EPXMBE001	DE10310	Validating the ladder document when downloading the target to local media.

Issues	Defect ID#	Description
QP+ 10" Fast Data Logging	DE10401	The alarm log files directory of QuickPanel+ targets was changed to default location in QuickPanel+ device when SD card was inserted.
QP+ ViewOpc Driver Channel/Device cannot be edited	DE10288	GE View OPC drivers and Emerson View OPC drivers use different driver name conventions. In AllViewOPCDrivers, the Emerson Ethernet driver appears as GE Ethernet. Changed the driver name in the XML file from GE to Emerson.
Windows DCOM Hardening Patch	DE10728	View.OpcServer tags browsing issue has been resolved by handling browse all filters.
ID995 Browser ActiveX control	DE11244	The ActiveX object known as "Microsoft Web Browser" is no longer supported by Microsoft. This is now displayed in the modified pop-up message.
PME validation Problem	DE10269	UDT's validation had a problem in that it failed to detect the missing I/O device, but the problem has now been fixed.
Upgraded ME 9.5 to ME 10.2 / Data is loading very slowly from CPE100 to QP+	DE10303	For rapid read/write operations, use a data change timestamp when an event occurs.
Rx3i CPE330 - Sync Productivity Suite Data not prompting	DE7088	To use this feature you need to have a PPS license, the target must be marked as a PPS target, and you must not be abandoning the project from online. modified the help file for the same.
"Error 13516: Cannot synchronize with EGD Configuration Server. A target..." in feedback zone is showing "Error 13519: Over 30000 variables used in EGD exchanges. Unable to continue" in companion	DE10051	Error code shows in build tab but while clicking on this error displaying in companion windows was wrong message. Corrected it accordingly.
When PME is idle and updating editor window observed crash.	DE10780	To prevent the crash checked valid window handle of active window.
During PME invocation observed crash	DE10678	Prevent race condition between multiple threads tried to access the file at the same time. Using critical section to prevent race condition during FILE creation.
PME 9.8 not able to fetches 10.0 New aggregation license	US56478	PME 9.8 not able to fetches 10.0 New aggregation license
PME - Configuración HW instrumentos Profinet PA	DE9607/ DE9678	Keep procced flag false to restrict change the state of variable mode and returned from CheckIOParameters to avoid IO configuration data update.
PPS 3.8 SIM11 update (from SIM9)	DE9660	Tracing a wire backwards around a branch was a short circuit instead of just being a branch.
PME crash on EditPaste operation while reading FB element from stream	DE11012	Handled the case where element no longer exist and put check for the same to prevent crash.
PME crash while searching LD block operation	DE9001	Do search operation only if operand pointer is present.
PME crash during redraw the data watch item	DE11031	Used pItem object pointer safely, return immediatly if item pointer is nullptr.
PME crash when opening project	DE10850	Checked condition to true for secondary hardware variable inside hardware configuration file and added NULL check.
PME crash when try to tune PID	DE10998	PME tries to access element of empty CByteArray array so PME got crashed. Corrected the same.
During saving workspace PME got crashed in TIS TagDatabase module	DE10763	To prevent the crash, we need to skip write out the tag data store into the stream if respective tag or subtag data store in NULL. Same has been already implemented for data source as well. PME did not write tag data source if it is NULL.
PME got crashed during closing because online pending notification not completed	DE10787	Synchronize PME Closing till online pending notifications are not completed using Event
PME got crashed because of synchronization issue for export variable map	DE10788	Synchronize usage of export variable map to prevent race condition which may cause of PME crash.
During double click on EGD data grid to update data causes PME crash.	DE10793	To prevent the crash, added NULL check for interface and skipped updating data grid cell color when interface got NULL.
PAC Machine Edition Version Compatibility Issue	DE11243	Introduced new overloaded function readString(std::string& str), The reference string object can copy the char* object returned from read() function. After copying it, we will delete that char* variable locally. So, the allocated memory is taken care at same function and prevent the memory leak which results PME won't crash.

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

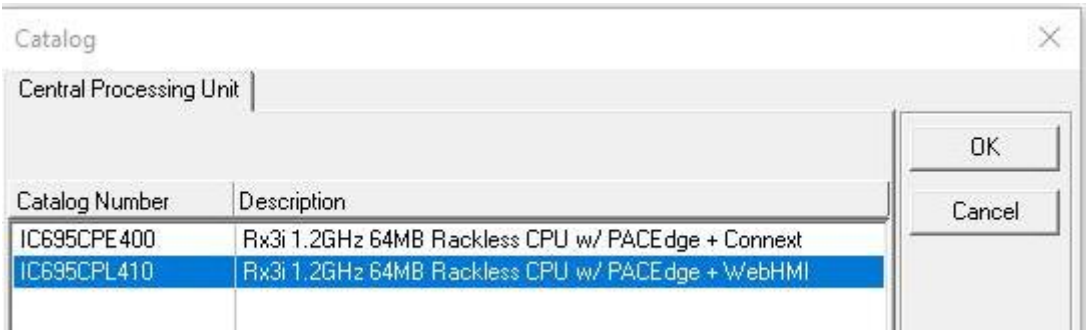
Logic Developer PLC

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.

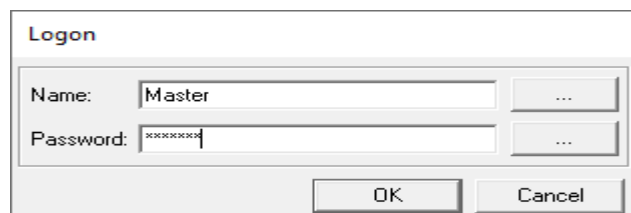
Logic Developer PC/QP+

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 labeled "Name:" and contains the text "Master" with a small downward arrow to its right. The second is labeled "Password:" and contains masked characters (dots) with a small downward arrow to its right. 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: xxxxxx

Confirm Password: xxxxxx

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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