

PAC Machine Edition

Version 9.80 SIM 11

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.*

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PAC Product Information

Product	Version
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PAC Machine Edition Logic Developer PLC QP+ (View / PC)	9.80
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PAC Change Management Server Client Scheduler Engine	9.80
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PAC Productivity Suite ¹	3.80
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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 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
PME 9.8 SIM5 - Lite Development Suite License is not properly reported	DE7428	Lite Development Suite License is not properly detected when the "Report All Licenses" button is clicked It's displayed "No License Detected"
FolderManager error when performing Online Edit	DE7145	User was trying to make online edit (OE) and received error when accepting edits (during build process). User tried to make edits with other projects on same host but could not.

Issues	Defect ID#	Description
Data watch displays badly some data of string variables at structure variables	DE5928	Current Value is not Displayed properly for String Data structure variable in DataWatch or Inspector, after being edited PME 9.5 SIM15
Datawatch not working properly	DE5928	Current Value is not Displayed properly for String Data structure variable in DataWatch or Inspector, after being edited PME 9.5 SIM15
Missing Characters when typing code	DE8134	When user they are typing code they are regularly getting missing characters
Incorrect disconnected instruction error messages	DE7222	The code in block "C_Seq" (under the folder "S10_Traffic_Light_Control") rung 32 fails to complie. PME compiler reports 17 errors (error 9567 and error 9523)
Missing tag text in ladder	DE5877	The tag name in a ladder coil often is missing a character displayed depending on the cell width adjustment. You can hover over and see the full tag name
Status Address will change once ETM module is replaced with -Kxxx version	DE8007	In migration system, when customer tried to replace the ETM module with -Kxxx version, the original Status Address will be changed.
Text wrapping in PN Catalog Description	DE9097	Text wrapping in PN Catalog Description
In PCM, user groups randomly disappear	US43968	In PCM, user groups randomly disappear
PCM clients randomly disconnect, then the PCM server needs to be restarted	US45079	PCM clients randomly disconnect, then the PCM server needs to be restarted
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ME 9.8 SIM 10 Crashes	DE9182	In the attached project if one tries to change the PC Control Ladder Logic, ME Crashes. Logic can be changed just fine on ME 9.8 SIM 9 but with SIM 10 it crashes.
Machine Edition crashes when opening a Ladder Program	DE9185	Just upgraded to SIM 10 and opened the project and now tried to get into the Ladder Programs. When we do this it is trying to open the ladder program but doesn't open, it shuts down. I rebooted the PC, that didn't help.
Project crashes Machine Edition Sim10 but not Sim 9	DE9104	I have a Machien edition Project that works fine, ie loads and runs in V9.8 Sim 9 but causes the editor to crash in v9.8 Sim 10.
Issue #27 : Unknown Validation Exception - #ALW_ON used on input to MUL_REAL block	DE8320	Customer make the validation of the program in PME9.8 SIM9, it didn't point out the abnormal rung for diagnose, just showed an Error 8512.

Issues	Defect ID#	Description
Regular PME crashing with SIM 29 and SIM 30	DE9239	Most crashes are due to downloading process, after a change in logic using Losing Logic Equality. No specific recipe, but mostly on RMS, and happening when validating the specific block a logic change has happened.
Opening Ladder Logic on Sample Projects Caused PME to Vaporize	DE9287	opening a sample project in PME, and double clicking on the ladder logic component, this will to PME vaporizing.
After installing SIM10 for PME 9.8 it is not possible to download some project to CPE115	DE8998	After installing SIM10 for PME 9.8 it is not possible to download some project to CPE115
Problems when working with ST Blocks	DE7772	On the Navigator, when I add a description for the variable and press ENTER key, the cursor will be moved to the very top.
Selecting UDFB in Logic window doesn't select in Variables list	DE6875	Selecting UDFB in Logic window doesn't select in Variables list
Removing empty process folders	DE8942	When you have a PPS project there is a Process_Function_Blocks folder with many blocks in it. If you remove the blocks from a folder you cannot delete the empty folder than remains
ST editor shows index error but code compiles and runs	DE8170	In project, RAO_BOT_TANK shows syntax errors but compiles and runs successfully. Reproduced in PME 9.7 SIM5 and PME 9.8SIM8.
Focus in ST editor not intuitive	DE6610	When dragging a variable from the variables tab in the navigator to an ST block, focus remains on the variable tab after the variable is dropped in the ST block. This is not intuitive and one of many of the small cuts that makes working with machine edition painful.
ME 9.8 - validated ladder rung does not work as expected	DE7309	ME 9.8 - validated ladder rung does not work as expected
PME 9.8 - Refresh issues in FB variables	DE7811	PME 9.8 - Refresh issues in FB variables
password for viewing versasafe files/quickpanel can't add versasafe	DE8067	after adding versasafe component to PLC project I can't view versafe blocks without password. I don't know what the password is.. its not in the guide. also trying to add versasafe component to quickpanel but versasafe component is not available
61850 Float setpoints are missing variables	DE9400	I'm trying to write a float to a 61850 MMS endpoint. According to section 4.4.4 of GFK-2849A, the following variables should be present under a setpoint structure: *.WRITEVal, *.WRITECmd, *.WRITERslt and *.ReadVal. Only *.ReadVal is present, and as such, I am not able to successfully write to the setpoint.
ST editor is getting slow on large files again.	DE7949	In the attached project. I have the block " Func Block\Start_Stop_Control\TFB\TFB_CTRL_START_STOP".

Issues	Defect ID#	Description
		I am on line 1233 editing and there is now visible delay as I type. Similar to what happened earlier in 9.7. There should not be lag when typing in the ST editor.
Structure text edit problems	DE7944	with large ST program, double-clicking variables does not always highlight\select variable like it is supposed to. When working with very small ST program, double clicking on variables always highlights\selects the variable text\name.
Out of Memory	DE6921	Looking to add quite a few structured text mapping routines into our site projects for SCADA. Have been getting out of memory when I do a search in the controller.
Reverse power flow in ladder	DE9314	Reverse power flow in ladder
PME Crashes when PID Tuning Opened	DE9373	Right click on the PID block and select tuning. PME shows dialog about the 40 word array and then closes.
ME cannot disconnect from a PLC when license is lost	DE7148	ME cannot disconnect from a PLC when license is lost
PME Crashes / Closes when copy paste blocks	DE9354	PME Crashes / Closes when copy paste blocks
PME Toolchest importing draw as copy issues	DE6460	Importing a drawer as a copy (have two identical drawers in the toolchest navigator), however the copy drawer and the original drawer remain linked. Deleting an fxclass from the copy drawer, the identical fxclass would be deleted from the original drawer and renders the Data Type of the instances "Invalid Type".
OPC driver window disappears	DE8839	When there is no valid View OPC Driver license also, we are allowing user to configure View OPC drivers and handled the conditions of Server Busy and PME Hang.
Open subroutines	DE9310	Fixed Subroutine crash issue, when we are logic component and opening the subroutine.
ME 9.80 SIM 8 - View OPC Driver acting not responding when using when using Windows CE license only - Recurred	DE7846	When there is no valid View OPC Driver license also, we are allowing user to configure View OPC drivers and handled the conditions of Server Busy and PME Hang.
PME 9.80 SIM 8 - View OPC Driver 2 Hours Demo period	DE7846	When there is no valid View OPC Driver license also, we are allowing user to configure View OPC drivers and handled the conditions of Server Busy and PME Hang.
PME 9.80 SIM 8 - View OPC Driver is not responding and PME hang	DE7846	When there is no valid View OPC Driver license also, we are allowing user to configure View OPC drivers and handled the conditions of Server Busy and PME Hang.
PME 9.80 SIM 9 - View OPC Driver Server Busy (License related issue)	DE7846	When there is no valid View OPC Driver license also, we are allowing user to configure View OPC drivers and handled the conditions of Server Busy and PME Hang.
QP+ Error with SRTP Driver	DE8383	Help is updated on the limitation of this error. Workarround also provided on how to avoid this error on QP+ runtime.

Issues	Defect ID#	Description
VersaSafe HMI Template is broken	DE8841	VersaSafe HMI Template language grid has been added and addressed broken template issue.
Quick Panel Plus IO Variable with Arrays	DE8931	Import and Export of variables are handled and issue has been addressed.
PME 9.80 SIM 10 on Windows 7 - Simulator mode will not start on Windows 7 x86 / x64	DE8925	Support of WINTCP.DLL is causing issue in Win 7. Handled this by dynamically loading the DLL.
PME 10.0 view runtime - taking too long to run	DE9029	Driver without communication, runtime is taking more time to load and open as it is continuously checking for connection retries. This has been addressed optimizing the connection request when there is no communication.
Windows PC - touch function triggers 2 buttons from different screens	DE9130	Windows PC touch function has been handled properly.
Touch function triggers 2 buttons from different screens Windows PC	DE9130	Windows PC touch function has been handled properly.
QP View 6" - IC754VSB06MTD - Not Enough Disk Space when attempt download a project using PME 9.80 SIM 10 / PME 10.00	DE9289	Unnecessary licensing binaries for QP VIEW and QP+ in download are consuming more memory, these binaries are removed.
PME 9.80 SIM 8 - View OPC Driver is not responding and PME hang	DE7846	When there is no valid View OPC Driver license also, we are allowing user to configure View OPC drivers and handled the conditions of Server Busy and PME Hang.
QP+ WebRoot out of date	DE9311	Webroot folder has been updated with latest Emerson information.

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.

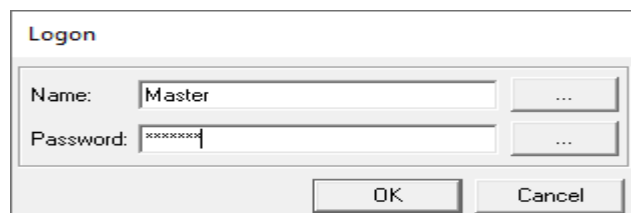
Logic Developer PC/QP+

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.

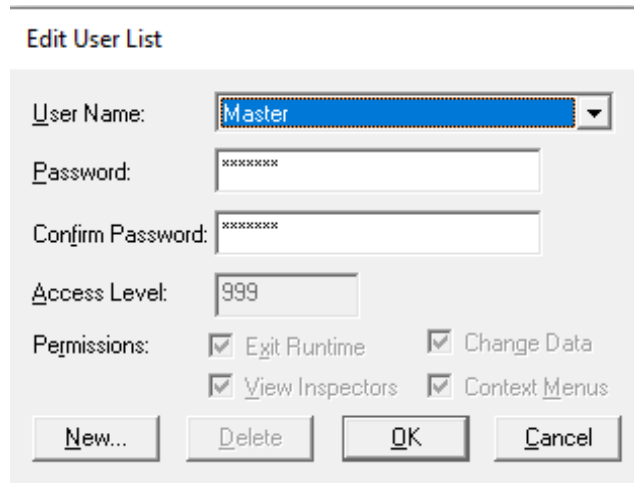
Figure 1: Logon Dialog



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
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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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