

# **PAC Productivity Suite**

**Version 10.7.221**

# Contents

<b>PAC Productivity Suite .....</b>	<b>1</b>
<b>PAC Product Information .....</b>	<b>1</b>
<b>Revision History .....</b>	<b>1</b>
<b>Release Notes.....</b>	<b>2</b>
<b>Restrictions and Open Issues.....</b>	<b>3</b>
<b>PAC Productivity Suite .....</b>	<b>5</b>
Functional Compatibility .....	5
Problems Resolved by this Release.....	6
New Features.....	19
PPS Components.....	20
<b>Related Documents .....</b>	<b>21</b>

## 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 to 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.

Emerson may have patents or pending patent applications covering subject matter in this document. The furnishing of this document does not provide any license whatsoever to any of these patents.

Emerson provides the following document, and the information included therein as is and without warranty of any kind, expressed or implied, including but not limited to any implied statutory warranty of merchantability or fitness for particular purpose.

# PAC Product Information

Product	Version
<b>PAC Productivity Suite</b>	<b>10.7.221</b>
<b>PAC Machine Edition</b> Logic Developer QP+ (View / PC)	<b>10.7.221</b>
<b>PAC Change Management</b> Server Client Scheduler Engine	<b>10.7.221</b>
<b>CIMPLICITY</b>	<b>2022</b>

# Revision History

Version	Date	Description
Version 10.7.221	Sep 2025	<ul style="list-style-type: none"> <li>• Autosave</li> <li>• Performance Improvements in the area of project validation and online operations</li> <li>• Data Monitor updates:                             <ul style="list-style-type: none"> <li>○ Save Data Monitor configuration data within PME projects</li> <li>○ Save plotted to .csv format</li> <li>○ Added Data Replay utility which allows users to view, and replay, recorded data</li> <li>○ Allow four binary axes to differentiate binary parameter data</li> </ul> </li> <li>• 10.6 feature description has been updated to more properly reflect the change made to UDT element descriptions</li> <li>• Added new Advanced PID with Deadband block (ADV_PID_DB)</li> <li>• Added Symbolic Diagnostic UDTs.</li> </ul>
Version 10.6.219	Dec 2024	<ul style="list-style-type: none"> <li>• Added support for PACSystems™ Simulator, which allows users to test and validate logic for a PACSystems™ CPU without using controller hardware.</li> </ul>

		<ul style="list-style-type: none"> <li>Updated the Data Monitor with a feature-rich plotting tool</li> <li>Added support for GSDML 2.44 and 2.45</li> <li>Added ability to configure UDT for Windows PC Target.</li> <li>Added enhancements for UDT descriptions</li> </ul> <p><i>Note: Descriptions on instances of structure elements on Logic Developer targets come from the structure definition and are read-only on the instance. Change the definition of the structure to change the description.</i></p>
Version 10.5	Sept 2024	<ul style="list-style-type: none"> <li>Added functionality to configure PACSystems VersaMax SafetyNet System.</li> <li>Multiple bug fixes.</li> </ul>
Version 10.4.13	June 2024	Includes bug fixes related to member parameter configuration in the Process Blocks
Version 10.4	May 2024	<ul style="list-style-type: none"> <li>Introduces the COMPUTE block, which allows users to execute multiple mathematical expressions in one instruction. COMPUTE BLOCK support is limited to LD.</li> <li>Updated Cimplicity version to 2022.</li> <li>Improved support for GSDML 2.43</li> <li>Updated EGD Management Tool (EMT) to v8.0</li> <li>Added feature to indicate whether the user is in Admin mode</li> </ul>
Version 10.3	Jan 2023	Updated for license aggregation support.
Version 10.1	Feb 2023	Updated for the release of PME v10.1, PPS v10.1, PCM v10.1, and View and Control

## Release Notes

When upgrading from Versions of PAC Productivity Suite older than 10.1, your PME window settings and system options may be reset.

It is important to set the DCP Scan Tool to “run as administrator.”

# Restrictions and Open Issues

Subject	Description
CIMPLICITY Object Builder Warning Message	When the Application Server and System Server are running on two (2) different nodes and the user has configured a Remote System Server, it has been observed that running the CIMPLICITY Object Builder produces a warning message indicating that the path to ProducedData.xml cannot be found or that it doesn't exist. This message is benign and after clicking OK, CIMPLICITY uses the configured remote System Server.
Unknown Error Message Upon Exiting EGD Config Server	CIMPLICITY Workbench requires running as administrator to modify the EGD Config Server parameters under the Object Builder – Select Procedures menu. If CIMPLICITY Workbench is not running as “Administrator” a popup message indicating an unknown Error will be shown when attempting to exit from the EGD Config Server menu after making any changes. Changes will not be preserved when that message is displayed.
Could Not Find Path to Produce Data from Registry Error	If installing PPS over a PME installation, user must manually delete the C:\Program Files (x86)\Emerson\PAC Machine Edition folder before installing PPS to avoid a pop-up warning message stating: "Could not find path to Produce Data from Registry (C:\Program Files (x86)\Emerson\PAC Machine Edition\EGD\EgdConfigServer\Pending)".
CIMPLICITY Install Error When Previous Installation Is Overwritten	When upgrading the Application Server to 10.7.221 from a previous version, please uninstall CIMPLICITY first and then install Application Server 10.7.221. CIMPLICITY will not install correctly if Application Server 10.7.221 is installed over a previous installation.
Power Flow Error with COMPUTE block	When replacing a block with the COMPUTE block in “Test-Edit” mode, the logic around the newly placed COMPUTE block may need to be modified to ensure the power flow through the rung remains intact.
Uploading From Previous Version	When uploading a 10.2 (or PPS 10.3) project from a controller to PME 10.7.221 the project version will be set to 10.4 in the project settings. This has no impact on equality or functionality outside of what project version the uploaded project is saved as. The user is able to change the project version to 10.2 manually.
HWC Smart Build	The Smart Build option for hardware configuration (HWC Smart Build) in is not working correctly under some scenarios. It is recommended to keep this option disabled.

Subject	Description
	<p>In some instances when enabled, memory addresses mapped to input/output of an added module are not updating. Only after selecting the Clean Build Folders button and then re-downloading do the values come through.</p> <p>The reference addresses parameterized for the input/output data of a new module do not update after downloading to the controller. The user must disable this option or select to clean build folders before re-downloading to the controller. Then the user can see the values in those reference addresses change accordingly. This has been reproduced with DI/DO/AI modules both on local racks and remote racks (PROFINET).</p>
COMPUTE may cause stack overflow in firmware	For now, in order to avoid a potential issue within firmware, we do not recommend adding logic to execute on a rung after a COMPUTE execution.

# PAC Productivity Suite

## Functional Compatibility

Subject	Description
CPE200 Series compatibility	CPE200 Series modules require PPS 10.1 or later. They cannot be used with PPS 3.8 and lower.
Non-Supported Operating Systems	<ul style="list-style-type: none"> <li>• Microsoft® Windows® XP</li> <li>• Microsoft® Windows® Server 2003</li> <li>• Microsoft® Windows® Server 2008</li> <li>• Microsoft® Windows® 7</li> <li>• Microsoft® Windows® 8</li> </ul>
Supported Operating Systems	<ul style="list-style-type: none"> <li>• Microsoft® Windows® 10 (22H2)</li> <li>• Microsoft® Windows® 10 IoT Enterprise (21H2)</li> <li>• Microsoft® Windows® 11 (22H2)</li> <li>• Microsoft® Windows® Server 2016 (1607)</li> <li>• Microsoft® Windows® Server 2019 (1809)</li> <li>• Microsoft® Windows® Server 2022 (21H2)</li> </ul>
Supported Virtual Machines	<ul style="list-style-type: none"> <li>• VMWare Workstation (type 2)</li> <li>• VMWare ESXi (type 1)</li> </ul>
Supported Anti-Virus Systems	<ul style="list-style-type: none"> <li>• Norton Deluxe</li> <li>• McAfee Plus</li> <li>• Bitdefender Total Security</li> <li>• Trend Micro Maximum</li> <li>• Crowdstrike</li> <li>• Windows Defender</li> </ul>

## Problems Resolved by this Release

PAC Productivity Suite 10.7.221 fixed the following defects:

Resolved Problem	Defect Code	Resolution
Out of Memory Error	DE6067	Fixed memory leak when using High Compression that caused "Error 12300: Ran Out of Memory" during validation.
CPU Faults After Downloading a Project with Endress + Hauser GSDML	DE6728	Added support for Float32 + Unsigned8 in GSDML processing, preventing CPU faults after project download.
Companion Help wrong for BIT_SET_DWORD	DE7931	Updated Companion Help for BIT_SET_DWORD to correctly indicate DWORD size.
PME v10 CRC Issue - Frameworkx Private Bytes Growth	DE8826	Fixed memory leak when loading targets in new projects, improving stability and performance.
pme950 sim20 and pme980 sim3 Performance Issues/Massive Delays  Excessively long download times  Speed of validate\download	DE6906 DE9364 DE9449	Optimized multi-threaded processing and resolve memory leaks to reduce validation and download times.
Problem with PROFINET device in CPE400  PNC not communicating with PNS with certain IO device configured	DE9642 DE10080	Added support for Unsign8+Unsigned8 datatypes in PNC modules, fixing communication issues.

Resolved Problem	Defect Code	Resolution
'Delete Unused Variables' Causing PME Error	DE9700 DE9825	Corrected memory handling for 'Delete Unused Variables' so projects save without errors.
EGD communications assistance	DE10044	Fixed ETM parameter updates so EGD settings apply correctly in secondary hardware configuration.
UDT Member Rename Results in Corrupt Code	DE10108	Corrected UDT rename behavior so LD, ST, and FBD editors handle renamed elements consistently.
Adding element to UDT results in very slow PME response	DE10174	Reduced PME lock-up time when adding elements to large UDTs (from 10-20 minutes down to ~ 20 seconds.)
Update the version of ADV_PID Block	DE10720	Corrected XML template handling for ADV_PID blocks, removing need for manual workarounds.
Issues with PME10.1 and 9.50 compatibility	DE10336	Fixed compatibility warnings when saving/uploading between PME 10.6 and 9.x versions.
ST variables will not sync up variable table	DE10460	Corrected ST grammar checker to properly process complex structure references.
F11/F12 not working Win11	DE10519	Restored F11/F12 keyboard support in Windows 11.
Internal Errors	DE10578	Fixed inconsistent PMM modules XML files that caused "Internal Error" during validation.
Regular and frustrating crashes of PME	DE10650	Resolved frequent PME crashes related to offline editing and project saves.
Variable export and import takes far too long to complete and filtering doesn't work to reduce the time taken	DE10738	Improved variable export/import performance by updating XML library.

Resolved Problem	Defect Code	Resolution
"Variable Difference Report" default settings are invalid	DE10751	Correct default settings for the <i>Variable Difference Report</i> .
PME - Memory leak with PNS001 configuration added	DE10869 DE12070 DE12545	Fixed multiple memory leaks related to PROFINET device handling in PME.
Error opening project saved as 95/98  Unable to initialize the following Machine Edition service: 'Tag Database'	DE10946	Corrected tag property saving for projects created in version 9.80 or earlier.
Uploading a project and Online modification in Logic create some incongruent Errors	DE11217	Fixed inconsistent data uploads from FBD instructions to targets.
Saving as PME 9.8 not working in PME 10.2.9762	DE11220	Corrected project saving for PME 9.8 compatibility.
Request MTP Function Block Details	DE11281	Restored missing help links for MTP function blocks.
Cannot select the top rows in the variable list	DE12188	Corrected z-order handling so top rows in the variable list can be selected.
Issue with upgrading Catalog number in PME 10.2/10.5	DE12189	Improved catalog validation process to prevent errors with DST property.
PME 10.4 crashes when opening ST logic	DE12192	Prevented ST logic crashes by properly checking limits on %P logic blocks.

Resolved Problem	Defect Code	Resolution
PPS Installer: Cimplicity is not Installed Properly in PPS 10.5	DE12193	Added CIMPLICITY SIM installer launch option in the PPS installer.
PME 10.4.13 encountered error when implicit address search issues (if PPS blocks are present) when using 'Find'	DE12225	Fixed crash when using "Find" with implicit addresses.
FXControl Runtime stops after two hours running	DE12232	Resolved the condition to check valid license before starting the FxControl Runtime service.
Variable list column set parameter (Current Value) not available	DE12243	Corrected Data Monitor to properly show the 'Current Column' value in the list.
View runtime question marks on internal tags	DE12270	Corrected device typecasting to remove question marks on runtime internal tags.
COMPUTE: Replacing existing instruction with compute has issues	DE12331	Fixed COMPUTE instruction replacement issues that left artifacts.
Cannot Upload with MTP Blocks	DE12341	Corrected import order so MTP blocks upload correctly.
PNSR GCG Secondary PNC become Client, when validate target, after add a pair of PN network with Versamax IO station	DE12371	Fixed validation logic so secondary PNCs are no longer incorrectly swapped to client mode.
PSB block name showing uppercase	DE12400	Fixed issue with PSB block names being uppercased.

Resolved Problem	Defect Code	Resolution
ME 10.5 crashes while opening a project created in ME 10.0	DE12429	Fixed PME 10.5 crashing when opening projects created in PME 10.0.
EWS crash when using < or > in description	DE12452 DE12518	Corrected parsing of special characters in XML files to prevent crashes.
Logic remains equal when performing online edit of logic and discard the edit.	DE12470	Improved handling of online edit quality when keeping or discarding changes.
Not enough memory resources are available	DE12496	Improved memory management to prevent resource errors.
Updated data monitoring tool doesn't seem to allow UDT elements to be added	DE12498	Corrected Data Monitor tool so UDT variables can be added.

Resolved Problem	Defect Code	Resolution
<p>Machine Edition Error</p> <p>PME 10.6 - cannot upload from CPUE05</p> <p>Error Code 0x80004005 - PME 10.6</p> <p>Unable to initialize the following component 'Hardware Configuration' Error code :0x80004005</p> <p>Unable to initialize the following component: 'I/O' Error Code: 0x80004005</p> <p>ME 10.6 can't open a 7.50 project</p> <p>Unable to initialize the following component: Hardware Configuration</p> <p>Error Code 0x80004005 [%S]</p>	<p>DE12517</p> <p>DE12551</p> <p>DE12628</p> <p>DE12794</p>	<p>Fixed restrictions for non-Safety targets causing initialization errors.</p>
<p>Project saved by PME 7.5 is not open by PME 10.6.219</p>	<p>DE12519</p> <p>DE12644</p> <p>DE12836</p>	<p>Corrected handling of projects saved in PME 7.5 and earlier so they open correctly in newer versions.</p>
<p>DataMonitor will require Config EQ</p>	<p>DE12524</p>	<p>Data Monitor tool now accepts both "Online" and "Online Not Equal" states.</p>
<p>GSDML with Boolean type fails to import</p>	<p>DE12534</p>	<p>Added Boolean data type support to GSDML v2.32.</p>

Resolved Problem	Defect Code	Resolution
PROFINET 3rd Party port speed configuration incorrect	DE12535	Corrected PROFINET devices port speed negotiation.
PME Crashing as we modify and download change.	DE12544	Fixed crash caused by long class names in Ladder Block Exporter.
Changing a variable parent Publish setting from 'False' to 'External Read/Write' changes all child variables but a download/validate resets to False	DE12546	Corrected publishing behavior so parent/child variable settings are retained after download/validate.
PME 10.6.219 IPI States HWC Smart Build Should be Disabled	DE12547	Disabled HWC Smart Build when opening older projects.
<p>UDFB instantiated variables fail to update with changes made to the UDFB elements</p> <p>When adding a new member variable to a UDFB the member variable is not added to the existing UDFB instance</p> <p>Importing UDFB can cause instances to not update</p>	DE12605 DE12641 DE12643	Corrected UDFB handling so instance variables update correctly when elements are modified.
PME Adding MTP ST Block Automatically	DE12607	Prevented PME from automatically adding MTP ST blocks when a UDT has the same name.

Resolved Problem	Defect Code	Resolution
QP+ 6" screen keypad too big	DE12609	Corrected keypad sizing on QP+ 6" screens so keys scale properly with resolution.
PME 10.6 will not open projects with older Quick Panel projects	DE12610	Fixed loading issues so older Quick Panel projects open correctly in PME 10.6.
PME v10.6.219 - Crash on deleting block/folder from the Navigator window	DE12618	Fixed crash when deleting a block or folder from the Navigator window.
PME 10.6.219 - Crash uploading just initial values	DE12620	Fixed crash when uploading initial values only.
ME 10.4 project opened in ME 10.6 doesn't download with IL logic	DE12630	Corrected handling of IL logic blocks so projects now download without errors.
PME 10.6.219- (SIMULATOR) UNEXPECTED ERROR- USING BLOCK COMPUTE	DE12635	Fixed crash caused by parameter structure references in COMPUTE block outputs.
DCP Reset binaries incorrect	DE12640	Corrected encoding for PROFINET Reset modes to ensure proper commands and error reporting.
%s Module cannot be pasted in this slot	DE12645	Added safety target checks to ensure correct slot validation and backward compatibility.
Unhandled Exception exploring PROFINET Network	DE12657	Fixed unhandled exception in the Explore PROFINET Networks dialog.
How to recover project after undo checkout following PME crash	DE12660	Corrected project .ini handling after undoing a checkout, preventing unnecessary "recover project" dialogs.

Resolved Problem	Defect Code	Resolution
PME 10.6 Crashing issues	DE12661	Optimized LD editor structure selection, reducing response time from ~5 minutes to <1 second.
PME uninstallation breaks CIMPLICITY	DE12666	Fixed PME uninstallation script so CIMPLICITY registry entries are preserved.
9.0 project opened in PME 10.6 can't be downloaded to a Versamax CPUE05	DE12680	Resolved null pointer exception when downloading to VersaMax CPUE05.
Repeated and frequent crashes of PPS v3.6 since installing SIM 40.	DE12684	Fixed frequent PPS v3.6 crashes after SIM 40 installation.
When using ARG_PRES: "Warning 8022: Type mismatch between variable and instruction"	DE12703	Corrected type-checking for ARG_PRES to resolve "Warning 8022" mismatches.
After making a minor modification and accept edit the PLC became unequal and had to upload from it	DE12704	Fixed CRC handling so PLC equality is retained after edits and uploads.
VersaProDocument error: "An Unexpected error has occurred involving symbolic variables, your project may become unstable.	DE12706	Corrected interaction between Status Addresses and Terminal Tab visibility to prevent project corruption.
Not clear when variables have not been uploaded due to logic being not equal.	DE12708	PME now displays a message when variables are only partially uploaded, improving user clarity.

Resolved Problem	Defect Code	Resolution
Validating a project takes long (when Duplicate Structure use option is configured as Error or Warning)	DE12718	Greatly improved validation speed when checking for duplicate structures in ST blocks.
Issue with Search and Replace	DE12727	Corrected Search and Replace functionality so variable changes update correctly.
Unable to initialize the following Machine Edition Service: 'Tag Database'	DE12733	Fixed variable data writing issue that caused Tag Database service failures.
PPS 2.5 project cannot be opened in higher version	DE12749	Corrected handling of duplicate block names in older PPS projects so they can open in newer PME.
If a change is made in 'Filter Configuration' and 'OK' is pressed then that change is made and accepted.	DE12796	Changed filter configuration so pressing OK applies changes before closing the dialog.
Invalid file detected on PME 10  Error validating Project with GSDML file for IC866 PACMotion VFD	DE12797 DE12231	Added support for special characters in GSDML filenames, preventing validation errors.
10.6 PME Crash during project close operation	DE12805	Prevented crash during project close when ST blocks were selected.
ETM001-Kxxx upgrade hardware catalog crashing issue in PME 10.6	DE12834	Corrected hardware catalog XML handling to prevent PME crashes.

Resolved Problem	Defect Code	Resolution
Changing UDFB element name causes exception	DE12845	Fixed UDFB element storage to prevent exceptions when renaming.
PME10.x different version ST code red wavy underline	DE12859	Corrected ST code parsing rules to handle nested if/exit statements properly.
PME10.6 ghost force(s) present in P5701	DE12895	Corrected symbolic address handling so forces display properly in PACSAnalyzer.
Generate NodeSet issue when upgrading to PME 10.6 from PME 10.2	DE12945	Fixed Generate NodeSet check so upgrades to PME 10.6 complete successfully.
10.6 PME crash occurs in LDCore module when user attempts to edit LD block	DE12993	Prevented crash in LD core module when editing LD blocks.
UDT instance descriptions access and deletion when migrating to v10.6	DE13048	Updated UDT handling so only definitions can be modified, not individual instances.
Online edits and download to CPU extremely slow	DE13083	Improved speed of online operations and validation in PME 10.7.
10.6 PME Crash when PME try to activate the window during project close operation	DE13137	Corrected project close handling to prevent crashes when activating windows.
10.6 PME Crash during project validate operation while PME trying to delete unused feature	DE13146	Fixed crash during project validation when deleting unused features.

Resolved Problem	Defect Code	Resolution
10.6 PME crashing during an upload operation while attempting to deleting the node	DE13163	Fixed crash during upload when deleting the Variable Transfer List.
PME 10.6 Help Update for SVC_REQ 63	DE13167	Added missing Help entry for SVC_REQ 63.
Loss of variable extra properties on re-importing UDFB/PAS file	DE13185	PME now ensures tags for control modules or UDFBs that have custom PAS files properly initializing their XML components Corrected handling of UDFBs with custom PAS files so XML initialization works properly.
If only the HMI properties are imported, excluding DE1the member variables of UDFBs that have member variables of type STRING member variables would be cleared.	DE13186	Fixed import handling so STRING member variables retain their values.
Word for Word after launch (Contact sense change) causes project to go not equal	DE13214 DE13299	Fixed CRC handling so online edits, uploads, and test operations do not cause inequality.
10.6 PME Crash during getting the test for the paste operation in the clipboard	DE13225	Fixed clipboard handling to prevent crashes when pasting text.
9.5 SIM 40 PME crash during the checkout the project when attempting to gets the checkout comment	DE13267	Prevented crashes when populating checkout comments.

Resolved Problem	Defect Code	Resolution
Loss of reference address	DE13301	Corrected module replacement criteria so reference addresses are retained.
PME leaks memory and crash during continuous RMS	DE13319	Improved thread safety to eliminate memory leaks during continuous RMS operations.
When opening a project, it is possible to invoke a Call that can cause issues or watchdog if powered and instantiates a recursive loop	DE13322	PME now blocks user actions until editors are fully loaded, preventing recursive loop issues.
Error 12512 when adding parameters to UDFB	DE13323	Fixed UDFB element handling so added parameters validate and download correctly.
Forces not shown in PacsAnalyzer	DE13326	Corrected PACSAnalyzer so forces display when downloaded from newer PME versions.
Error-When opening a project series 90-30 in the PME 10.6	DE13338	Fixed PME errors when opening legacy Series 90-30 projects.
10.6 PME crashing during pasting a ladder instruction operation while attempting to create tag	DE13353	Fixed crash when creating tags during ladder paste operations.
Input and Output Transfer List is not available in CPE400/CPL410 in PPS Control Module when redundancy is enabled.	DE13396	Added support for CPE400, CPS400, and CPL410 redundancy checks in PPS Control Module.

Resolved Problem	Defect Code	Resolution
10.6 PME crashing while attempts to add text during the validation operation	DE13445	Fixed crash when adding text during project validation.

## New Features

PAC Productivity Suite 10.7.221 makes various improvements on the following:

New Features	Description
AutoSave	Allows the project to be saved automatically at a user-defined interval, reducing the risk of data loss.
Data Monitor Tool Updates	<p>Added the ability to save a Data Monitor’s configuration data within PME project files</p> <ul style="list-style-type: none"> <li>• Added a new Data Monitors node in PME’s Navigator tree for easier access</li> <li>• Users can create, launch, configure, and plot live data with a Data Monitor.</li> <li>• Configuration changes are automatically saved with projects.</li> <li>• To reduce project size, only configuration data is saved (not plotted data).</li> <li>• Only one data monitor can be open at a time to reduce PME memory usage.</li> <li>• Users can now save plotted data to disk in .CSV format for use in spreadsheet tools or PME’s Data Replay utility.</li> <li>• Added the ability to plot binary parameters on up to four separate binary axes for clearer visualization.</li> </ul>
Data Replay Utility	<ul style="list-style-type: none"> <li>• Opens saved Data Monitor data file for playback and analysis</li> <li>• Supports replaying, zooming, scrolling, and saving just like the Data Monitor.</li> <li>• Allows configuration changes, but replay files remain read-only.</li> <li>• Note: Data Monitors can now only be launched from the Navigator window.</li> </ul>

New Features	Description
Symbolic Diagnostic UDT	Added support for mapping a UDT to a module's terminal tab so each segment of the terminals maps directly to a UDT element, simplifying diagnostics and organization.
Advance PID Deadband	Introduces a configurable deadband around the setpoint for PID controllers, preventing unnecessary corrective actions in cases where small fluctuations are insignificant. This improves stability and reduces wear in sensitive systems.

## PPS Components

The components constituting PPS and their respective versions are as follows:

PPS	PME	CIMPLICITY	EGD Driver (EGD Power Tool)	EGD Management Tool	PAV	SRTP
10.7	10.7.221	2022 SIM 17	7.40k	8.0	2.0.0.333	1.3
10.6.219	10.6.219	2022 SIM 15	7.40k	8.0	2.0.0.333	1.3
10.5	10.5	2022 SIM 11	7.40k	8.0	2.0.0.333	1.3
10.4	10.4	2022 SIM 11	7.40k	8.0	2.0.0.333	1.3
10.3	10.2.9762	2022 SIM 8	7.40k	7.6	2.0.0.333	1.3
10.1	10.1	2022 SIM 4	7.40k	7.06.00C B2	2.0.0.333	1.3

# Related Documents

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

<i>PAC Change Management for Machine Edition – Getting Started</i>	GFK-1779
<i>PAC Machine Edition - View and PC Control – Getting Started Guide</i>	GFK-1868
<i>PAC Machine Edition - Logic Developer – PLC – Getting Started Guide</i>	GFK-1918
<i>Entitlement and License Manager 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
<i>PAC Machine Edition Version IPI</i>	GFK-3244
<i>PAC System Requirements</i>	GFK-3245
<i>PAC License Server Administrator User Manual</i>	GFK-3247
<i>PAC Change Management IPI</i>	GFK-3258
<i>PACSystems Simulator IPI</i>	GFK-3300

# Contact Information and Support

Questions? We are here to help.

Before starting a case or making a call, try searching our Knowledge Base website — it might have the answer you need right away.

## If you have a question, try the following steps:

Search our Knowledge Base	Open a Support Ticket	Register for a Customer Account
 <a href="https://pacsystems.co/knowledge">pacsystems.co/knowledge</a>	 <a href="https://pacsystems.co/support">pacsystems.co/support</a>	 <a href="https://pacsystems.co/signup">pacsystems.co/signup</a>

## Other Helpful Links

Customer Center Home Page	Commercial Website	Contact Information
 <a href="https://pacsystems.co/customercenter">pacsystems.co/customercenter</a>	 <a href="https://pacsystems.co/commercial">pacsystems.co/commercial</a>	 <a href="https://pacsystems.co/contactus">pacsystems.co/contactus</a>

Emerson reserves the right to modify or improve the designs or specifications of the products mentioned in this manual at any time without notice. Emerson does not assume responsibility for the selection, use or maintenance of any product. Responsibility for proper selection, use and maintenance of any Emerson product remains solely with the purchaser.

© 2025 Emerson. All rights reserved.

Emerson Terms and Conditions of Sale are available upon request. The Emerson logo is a trademark and service mark of Emerson Electric Co. All other marks are the property of their respective owners.