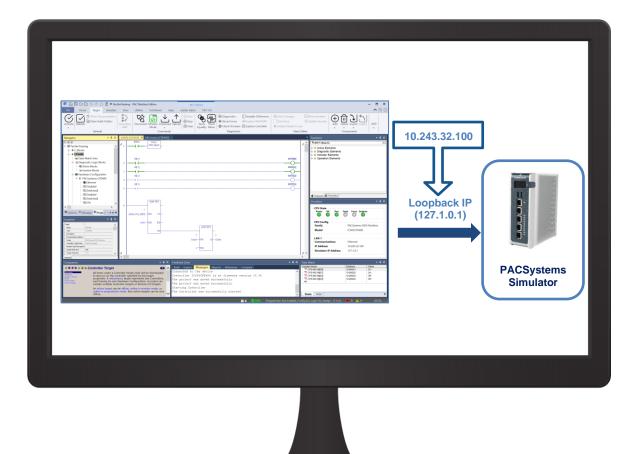
IMPORTANT PRODUCT INFORMATION

GFK-3300A Nov 2024

PACSystems™ Simulator Version 1.0





Overview

The PACSystems Simulator provides end users with the ability to modify, validate, and test logic for a PACSystems CPU without requiring controller hardware. The PACSystems Simulator supports the following models:

- RX3i IC695CPE302/305/310/330
- RX3i Rackless IC695CPE400/CPL410
- RSTI-EP EPXCPE205/210/215/220/240

The PACSystems Simulator is included with PAC Machine Edition 10.6 or later. PAC Machine Edition Professional license is a requirement to support PACSystems Simulator.

Current Release Information

Compo	Component		Date	Comments
PACSystems Simulator	Software	1.0		
PACSystems Simulator	Simulated Firmware	11.0	Nov 2024	Initial Release
PAC Machine Edition	Software	10.6		

Release History

Product(s)	Date	Comments
PACSystems Simulator	Nov 2024	Initial Release

Functional Compatibility

Subject	Description	
Programmer Version Requirements	PACSystems Simulator is supported on PAC Machine Edition Logic Developer PLC 10.6 or later.	
Supported Operating Systems	 Microsoft Windows 10 Microsoft Windows 10 IoT Enterprise Microsoft Windows 11 Microsoft Windows Server 2019 Microsoft Windows Server 2022 	

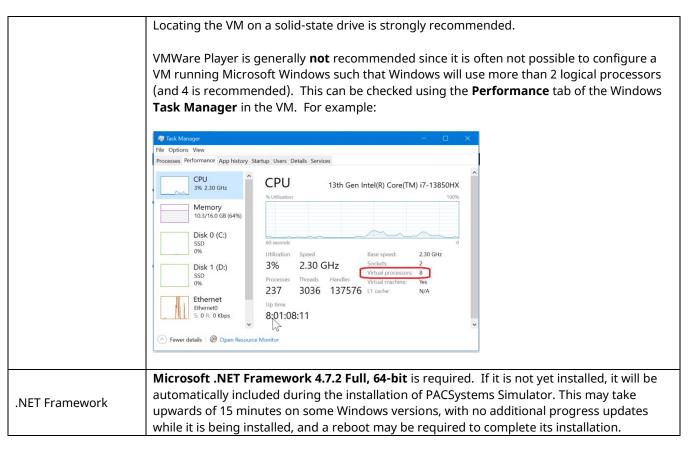
Getting Started

Subject	Description			
	PACSystems Simulator can be installed with PAC Machine Edition (PME) or with a separate installer from SFDC.			
	 Installed with PME: 1. Run PACSetup.exe on PME Install ISO (as Admin). 2. Choose Install Machine Edition 10.6 3. Go through the usual PME Installer screens a. Enable installation of Logic Developer - PLC 4. Click the Install button a. PACSystems Simulator will be installed (or upgraded) without additional prompts 			
Installing	PAC Machine Edition Setup × PAC Machine Edition Setup Select the installation directory.			
	Feature Description Tools for configuring and programming Controllers and Remote I/O This feature requires 795MB on your hard drive.			
	Install to: C:\Program Files (x86)\Emerson\PAC Machine Edition\ InstallShield Help Disk Usage < Back Next > Cancel			

	II		
-	te Installer:		
1.		e PACSystems Simulator 1.0	installer from Salesforce
2.	Run that installer (as Admin)		
3.	Agree to the	EULA	
4.	Click the Ins t	tall button	
	a. PAC	Systems Simulator will be inst	alled (or upgraded)
👘 PACS	stems Simulator Inst	aller Information	×
	2	Welcome to the PACSystems Si Wizard	mulator Setup
		The InstallShield(R) Wizard will install PACS your computer. To continue, dick Next.	ystems Simulator on
		< Back Next >	Cancel

PC/VM Requirements

Subject	Description
Minimum Hardware	 Using the PACSystems Simulator software in conjunction with PAC Machine Edition requires significantly more CPU resources than just running PAC Machine Edition by itself. The minimum PC/VM resources for using PACSystems Simulator are: Small to Medium-sized project, running one instance of PME and one simulator: CPU with at least 2 logical processors/cores 8 GB of RAM Large-sized project, running one instance of PME and one simulator: CPU with at least 4 logical processors/cores 16 GB of RAM The recommended PC/VM resources for using PACSystems Simulator are: CPU with at least 4 logic processors/cores CPU with at least 4 logic processors/cores
VM Manager	 PACSystems Simulator is supported on VMs managed by the following VMWare products: VMWare Workstation Pro VMWare ESXi VMWare Player



Problems Resolved by this Release

Subject	ID code	Description
N/A	N/A	Initial Release of the PACSystems Simulator

Operational Notes

Subject	Description	
N/A	Not applicable for the Initial Release of the PACSystems Simulator.	

Restrictions and Open Issues

Subject	ID code	Description
Multiple Simulators		This release supports only one simulator at a time. Running multiple simulators simultaneously may lead to degraded performance and potential disconnections for all instances.
Reset Window Position	DE12113	The "Reset Window Position" feature does not return the "Simulator" window to its default settings. While the window's functionality remains intact and can be moved to a preferred location, it will not revert to its original size and position as it was when PME was first installed on a clean PC.

Subject	ID code	Description
CPE2xx C Blocks Calling strerror_r() Not Functional	DE11962	The strerror_r() C function does not work on the simulated CPE2xx series. Library parameters within the C toolkit cause the strerror_r() function to be a different version than is supported by the CPE2xx simulator. It has been verified that even though the function compiles, there is no operation.

Product Documentation

PAC Machine Edition Logic Developer – PLC Getting Started Guide	GFK-1918
PACSystems™ RX3i and RSTi-EP CPU Reference Manual	GFK-2222
PACSystems™ RX3i and RSTi-EP TCP/IP Ethernet Communications User Manual	GFK-2224
PACSystems™ TCP/IP Ethernet Communications Station Manager User Manual	GFK-2225
PACSystems™ C - Programmer's Toolkit User Manual	GFK-2259
PACSystems™ CPU Programmer's Reference Manual	GFK-2950

User manuals, product updates and other information sources are available on the support site.

Contact Information and Support Guide

Questions? We are here to help.

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

Search our Knowledge Base	Open a Support Ticket	Register for a Customer Account
pacsystems.co/knowledge	pacsystems.co/support	pacsystems.co/signup

If you have a question, try the following steps:

Other Helpful Links

Customer Center Home Page	Commercial Website	Contact Information
pacsystems.co/customercenter	pacsystems.co/commercial	pacsystems.co/contactus

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