



PACSystems RX3i IC695CPU320/315 Mature with Replacement

Summary

GE Intelligent Platforms is introducing its newest CPU for the PACSystems RX3i product family this month with built in Ethernet communications and higher performance to serve complex applications and provide connectivity to the industrial internet. The new IC695CPE330 has all the memory and performance plus additional capability to replace the IC695CPU320 and IC695CPU315. Therefore the IC695CPU320 and IC695CPU315 will go mature May 1, 2015. Customers may start ordering or change orders that have not shipped to the new CPU now. We will support the older CPUs per our life cycle policy.

Products Moved to Mature

Part Number	
IC695CPU315	RX3i CPU with 2 serial ports, 20MB user memory
IC695CPU320	RX3i CPU with 2 serial ports, 64MB user memory

New Products Introduced

Part Number	Description
IC695CPE330	RX3i Dual Core CPU, 1 port - 10/100/1000, 2-port switch 10/100/1000, 1G dual core SoC, 64MB user memory, 1 - USB port, 1 - Cfast memory card slot
IC695ACC402	RX3i Energy PAC for CPE330. RAM memory backup for up to 5 years.
IC695CPK330	RX3i CPE330 with Energy PAC

Advantages of CPE330 vs CPU315/320

- Up to twice the performance with multi core CPU in a rugged COMExpress form factor
- Includes switched and un-switched Ethernet (10/100/1000) for high speed built in communications
- Large on board Flash and Ram memory. Use the new Energy Pack for RAM memory backup for up to 5 years.
- USB port for program upload/download
- Supports SRTP and OPC-UA on board (EGD, Modbus TCP, PROFINET future releases)
- Trusted Platform Module capable for enhanced security
- Cfast card slot for fast, large data collection (future release)

Differences between CPE330 and CPU320/315

- The CPE330 has different power supply requirements. Please check the data sheets or see the requirements using Proficy Machine Edition 8.6 or greater.
- The CPU320 and CPU315 each have 2 serial ports. They can be used for programming or other serial communications. To do programming over Ethernet for the CPU320 or CPU315 you must add an Ethernet module (IC695ETM001). The CPE330 can be programmed over the built in Ethernet ports and if you need serial connections, a serial module (IC695CMM002) can be added.
- CPE330 has metal housing which includes screws for secure connection to backplane.

Question and Answers

- Q. What should I do with existing CPU315s or CPU320s installed?
- A. You are not required to do anything. GE-IP will support any warranty issues. If you wish to take advantage of the new features of the CPE330 see the local distributor or sales person on getting an evaluation unit.
- Q. I am an OEM currently use CPU320/315s. If I want to switch now is the pricing the same?
- A. If I want to switch right away the price for the CPE330 is the same as the CPU320 and CPU315. If you need the RAM memory backed up when no power to system, there is additional cost for the Energy PAC for the CPE330, very similar in pricing to the additional battery pack (IC693ACC302) required for the CPU320 and CPU315. Order the IC695CPK330 for the complete package containing both CPE330 and Energy PAC.
- Q. I have quoted CPU320/315 on projects and I need price protection, what do I need to do?
- A. The price for the CPE330 is the same as the CPU320 and CPU315. The only additional cost is the Energy PAC for RAM memory retention when there is no power to the system, The Energy PAC is very similar in price to the additional battery pack required for the CPU320 and CPU315. If you run completely out of Flash memory and dynamic data does not need to be retained then you can go without the Energy PAC.
- Q. When will the CPE330 be available?
- A. The CPE330 is open for orders (see the part numbers in the table below). Production is starting now and first shipments begin in April.
- Q. GEIP Life Cycle Policy says that you mature for a minimum of 2 years before it goes obsolete. Will that be the case for the CPU315 and CPU320?
- A. The GEIP policy states that we have the ability to obsolete if we have a direct replacement. The CPU330 is a direct replacement with offering you more capability to reduce footprint and cost now and going forward. We will not obsolete right away but we hope to have most people converted over quickly.
- Q. Will a program go from a CPU320 directly into a CPE330? How about a CPU315 conversion?
- A. The CPE330 will take directly a CPU320 Proficy Machine Edition program. If you do not go in and change the CPU type it will act like the CPU320 except there will be no serial ports and you cannot use the Ethernet ports on the CPU. For the CPU315 because of the memory size difference you must go in and change the configuration before downloading. Again the serial ports will not be active and the Ethernet ports will not be available until you change the configuration to a CPE330.
- Q. What do I do about the serial ports?
- A. To get serial communications you will need to put in a communications module, either the IC695CMM002 or IC695CMM004. These modules are much simpler to use and create the communications you need. Since the CPE330 has built in Ethernet and can often replace the Ethernet module IC695ETM001, the CMM will often easily go in the slot where the ETM is today.

New PACSystems RX3i CPU Ordering Information

PART NUMBER	DESCRIPTION	ORDER/SHIPPING STATUS
IC695CPE330	Dual Core 1G controller with 64MB configurable user memory, 3 embedded Ethernet ports 10/100/1000 switched and non-switched, 1 USB port, and 1 Cfast card slot. Requires and Energy PAC for RAM memory backup with no power to system.	Open for Orders Now! Shipping April 2015
IC695ACC402	PACSystems RX3i Energy PAC for CPU IC695CPE330. Provides RAM memory backup for up to 5 years with no power to application	Open for Orders Now! Shipping April 2015
<u>IC695CPK330</u>	PACSystems RX3i IC695CPE330 and IC695ACC402. <u>Complete package of CPU and Energy PAC</u>	Open for Orders Now! Shipping April 2015

Firmware and Software Requirements

Proficy™ Machine Edition Logic Developer PLC 8.6 Service Pack 3 Hot Fix 3 or later must be used to configure the CPU

Future firmware downloads available at <http://www.ge-ip.com/support>.

Related Documentation

User manuals, product updates and other information sources are available on the Support website, <http://www.ge-ip.com/support>, under *Controllers and IO, RX3i Controllers*.

DOCUMENTATION	NUMBER
<i>PACSystems RX3i Energy Pack IC695ACC402 Quick Start Guide</i>	GFK-2939
<i>PACSystems RX3i 1GHz 64MB CPU w/Ethernet IC695CPE330 Quick Start Guide</i>	GFK-2941
<i>PACSystems Controllers Battery & Energy Pack Manual</i>	GFK-2741
<i>PACSystems RX7i & RX3i CPU Reference Manual</i>	GFK-2222
<i>PACSystems RX7i & RX3i CPU Programmer's Reference Manual</i>	GFK-2950
<i>PACSystems RX3i System Manual</i>	GFK-2314
<i>PACSystems RXi, RX3i, and RX7i Controller Secure Deployment Guide</i>	GFK-2830
<i>Proficy* Logic Developer-PLC Getting Started</i>	GFK-1918
<i>TCP/IP Ethernet Communications for PACSystems</i>	GFK-2224
<i>TCP/IP Ethernet Communications for PACSystems Station Manager Manual</i>	GFK-2225

GE Intelligent Platforms

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Global regional phone numbers are available on our web site www.ge-ip.com

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