

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

GE PACSYSTEMS RX3i

IC695CPE305

CPE305 PROGRAMMABLE CONTROLLER

Used with the applicable PACSystems RX3i controllers configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: GE official manufacturer documentation

PACSystems RX3i

IC695CPE305

Central Processing Unit

GFK-2714

September 2011

The PACSystems^{*} RX3i CPE305 can be used to perform real time control of machines, processes, and material handling systems. The CPU communicates with the programmer via the internal Ethernet port or a serial port. It communicates with I/O and Intelligent Option modules over a dual PCI/Serial backplane.

Features

- Contains 5 Mbytes of user memory and 5 Mbytes of non-volatile flash user memory.
- Battery-less retention of user memory.
- Optional Energy Pack,* which on system power loss powers CPU long enough to write user memory to non-volatile storage (NVS).
- Configurable data and program memory.
- Programming in Ladder Diagram, Structured Text, Function Block Diagram, and C.
- Supports auto-located Symbolic Variables that can use any amount of user memory.
- Reference table sizes include 32Kbits for discrete %I and %Q and up to 32Kwords each for analog %AI and %AQ.
- Supports most Series 90-30 modules and expansion racks. For supported I/O, Communications, Motion, and Intelligent modules, see the *PACSystems RX3i Hardware and Installation Manual*, GFK-2314.
- Supports up to 512 program blocks. Maximum size for a block is 128KB.
- An RS-232 serial port
- Embedded Ethernet interface supports a maximum of two programmer connections.
- Rack-based Ethernet Interface module (IC695ETM001) supports a complete set of Ethernet functionality. For details, see *TCP/IP Ethernet Communications*, GFK-2224.
- Time synchronization to SNTP Time Server on Ethernet network when used with a rack-based Ethernet module (IC695ETM001) version 5.0 or later.
- Ability to display serial number and date code in programmer Device Information Details.
- Ability to transfer applications to and from USB 2.0 A-type compatible RDSDs (removable data storage devices).
- Compliant with EU RoHS Directive 2002/95/EC using the following exemptions identified in the Annex: 7(a), 7(c)-I and III, and 15.



Ordering Information

Description	Catalog Number
RX3i 1.1GHz CPU	IC695CPE305
Standard Pwr Supplies 120/240VAC, 125VDC 24VDC	IC695PSA040 IC695PSD040
Multifunctional Pwr Supplies 120/240 VAC, 125 VDC 24 VDC	IC695PSA140 IC695PSD140
Rx3i Universal Backplane 7 Slot 12 Slot 16 Slot	IC695CHS007 IC695CHS012 IC695CHS016
Real Time Clock Battery	IC690ACC001
RX3i CPU Energy Pack	IC695ACC400
Energy Pack Cable	IC695CBL001
RS-232 cable	IC693CBL316
Note: For Conformal Coat option, please consult the factory for price and availability.	

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