PACSystems RX3i
IC695CPE305
Central Processing Unit

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.

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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.	