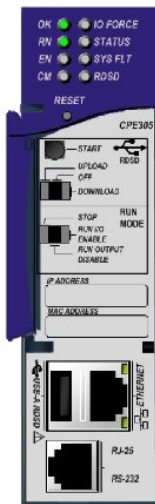


PACSystem™ RX3i Central Processing Unit IC695CPE305

Quick Start Guide

GFK-2934B

Sept 2019



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User Features

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.

- Supports an updated OPC stack and encrypting connections
- Supports PME's new GUI management interface for OPC UA configuration integration (start, stop, restart, clear, and provisioning mode)
- Supports the new PAC Security tool available for certificate trust management of clients and servers
- Contains 5 Mbytes of user memory and 5 Mbytes of non-volatile flash user memory
- Supports Battery-less retention of user memory
- Configured with an Energy Pack IC695ACC400 to power the CPU long enough to write user memory to non-volatile storage (NVS) on system power loss
- Equipped with configurable data and program memory
- Supports programming in Ladder Diagram, Structured Text, Function Block Diagram, and C
- Supports auto-located Symbolic Variables that can use any amount of user memory
- Equipped with reference table sizes to include 32 Kbits 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, refer to the *PACSystems RX3i Hardware and Installation Manual*, GFK-2314
- Supports up to 512 program blocks (Maximum size for a block is 128KB)
- Configured with an RS-232 serial port
- Enabled with an embedded Ethernet interface to support up to 32 simultaneous SRTP Server connections, up to 16 simultaneous Modbus/TCP Server connections, and up to 16 simultaneous communications channels of either SRTP Channels or Modbus/TCP Client channels. For details, refer to the *PACSystems RX3i TCP/IP Ethernet Communications User Manual*, GFK-2224
- Supports OPC UA
- Supports Ethernet Global Data, Class 1
- Supports HART® Pass Through
- Time synchronization to SNTP Time Server on Ethernet network when used with a rack-based Ethernet module (IC695ETM001) version 5.0 or later
- Enhanced ability to display serial number and date code in PME's **Device Information Details**.
- Ability to transfer applications to and from USB 2.0 A type removable data storage devices, or **RDSs**.
- 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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