

GENERAL ELECTRIC PACSYSTEMS RX3i

IC695CPE305

PACSystems RX3i CPE305 Controller

General Electric IC695CPE305 is a PACSystems RX3i controller with 6 MB user memory and embedded Gigabit Ethernet.

Verified technical data

Field	Officially documented value
Processor platform	PACSystems RX3i CPE305
User memory	6 MB
Nonvolatile flash	6 MB
Boolean execution	0.072 ms per 1000 Boolean instructions
Discrete references	32K input bits and 32K output bits
Analog references	32K input words and 32K output words
Program blocks	Up to 512 blocks; 128 KB maximum per block
Ethernet	Two 10/100/1000BASE-T ports in one embedded switch
Ethernet protocols	SRTP, Modbus TCP, OPC UA, EGD, PROFINET, DNP3 Outstation, IEC 61850 client, and IEC 60870-5-104 server
Serial interface	Isolated RS-232
USB	USB 2.0 Type-A host for removable data storage
Energy pack	IC695ACC400 included
Operating temperature	0...60 °C

Selection and replacement checkpoints

- The controller executes IEC 61131-3 control logic and exchanges data through embedded Ethernet, isolated serial communication, and the RX3i backplane.
- Before installation or replacement, verify the complete suffix, firmware level, RX3i rack and power supply, communications topology, energy pack, and saved controller project.
- IC695CPE305 replacement requires the exact Axxx or Bxxx hardware suffix, compatible firmware, RX3i rack resources, network settings, and a verified project backup.

System role and applications

- Deterministic control of automated production machinery
- Process-control sequences using PACSystems RX3i I/O
- Material-handling systems with controller, HMI, and remote-I/O communications

Important selection note

Confirm the complete IC695CPE305 catalog identity, hardware suffix where present, firmware, compatible rack or standalone platform, connected modules, wiring, and saved configuration before installation or replacement.