

GENERAL ELECTRIC PACSYSTEMS RX3i

IC695CPU315

PACSystems RX3i CPU315 Controller

General Electric IC695CPU315 is a PACSystems RX3i 1 GHz controller with 20 MB user memory and two isolated serial ports.

Verified technical data

Field	Officially documented value
Processor	1 GHz
User memory	20 MB battery-backed RAM
Nonvolatile flash	20 MB
Boolean execution	0.047 ms per 1000 Boolean instructions
Floating point	Supported
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
Serial interfaces	RS-232 and RS-485
Serial protocols	Modbus RTU slave, SNP, and serial I/O
Backplane	Dual RX3i PCI and high-speed serial buses
Current draw	1.0 A at 3.3 V DC; 1.2 A at 5 V DC
Operating temperature	0...60 °C

Selection and replacement checkpoints

- The CPU executes IEC 61131-3 application logic and connects to serial devices through separate RS-232 and RS-485 interfaces; Ethernet requires a compatible RX3i network module.
- Before installation or replacement, verify the RX3i rack and power budget, firmware, serial configuration, communications modules, battery condition, and complete project archive.
- IC695CPU315 replacement requires verification of rack power, firmware, serial settings, battery-backed project data, external communications modules, and the complete saved configuration.

System role and applications

- Rack-based machine control with PACSystems RX3i I/O
- Process-control sequences with serial field-device communications
- Industrial automation requiring separate network modules selected for the installed architecture

Important selection note

Confirm the complete IC695CPU315 catalog identity, hardware suffix where present, firmware, compatible rack or standalone platform, connected modules, wiring, and saved configuration before installation or replacement.