

IC695CPE310

PACSystems RX3i CPE310 Controller

Emerson IC695CPE310 is a PACSystems RX3i backplane controller with embedded Ethernet and an included Energy Pack. It provides 13 MB user memory for modular machine and process-control

PRODUCT SNAPSHOT

BRAND
Emerson

FAMILY
PACSystems RX3i

PART
IC695CPE310

DOCUMENT STATUS
Controlled engineering copy

APTER POWER

WHATSAPP / PHONE

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WEBSITE

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PRODUCT OVERVIEW

IC695CPE310 provides embedded-Ethernet controller execution and deterministic backplane control for a matched PACSystems RX3i installation.

Exact catalog identity IC695CPE310

PACSystems RX3i CPE310 Controller

Documented role: embedded-Ethernet controller execution and deterministic backplane control

Controlled installation, diagnostics and functional verification

RELATED APTER POWER PAGES		
1 General Electric IC697MDL940	2 General Electric IC693CHS398	3 General Electric DS200TCDAF1BCM
4 General Electric IC660BBA023	5 General Electric IC660BBA024	6 General Electric IC660BBA025
7 General Electric IC660BBA026	8 General Electric IC660BBA100	9 General Electric IC697CPU782

SYSTEM COMPONENTS

DOCUMENTED COMPONENT	ROLE IN SYSTEM
Proximity probe	Matched extension cable
Proximitior Sensor	AISI 4140 target

ENGINEERING CONTEXT

The component remains matched to the documented RX3i slot or carrier, terminal assembly, field power and engineering configuration. Commissioning preserves the installed architecture and verifies controlled response.

TECHNICAL DATA

PARAMETER	VALUE
Form factor	Backplane
User memory	13 MB
Discrete I/O capacity	32K bits
Analog I/O capacity	32K words
Energy Pack	Included

PARAMETER	VALUE
Ethernet ports	Three 10/100/1000 ports
Ethernet protocols	SRTP, Modbus TCP/IP, OPC UA, EGD, PROFINET, DNP3,
Serial protocols	ASCII Serial and Modbus RTU
USB interface	USB-A 2.0
Operating temperature	0 to 60 °C

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TECHNICAL NOTE

Install IC695CPE310 only in the documented PACSystems RX3i position. Preserve the as-found terminal, point and configuration records; then verify diagnostics and embedded-Ethernet controller execution and deterministic backplane control under controlled conditions.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

PACSystems RX3i planned maintenance

Restores embedded-Ethernet controller execution and deterministic backplane control in the documented

PACSystems RX3i CPE310 Controller replacement

Uses exact IC695CPE310 identity instead of an adjacent I/O or CPU execution.

Control-system refurbishment

Preserves the installed slot, terminal block, point map, power and engineering configuration.

Controlled recommissioning

Confirms diagnostics and the affected signal or control function before automatic operation.

PRODUCT PRECAUTIONS

- 1 Confirm the complete IC695CPE310 marking, module designation and documented RX3i installation position.
- 2 Place the controller, machine and connected process in the approved maintenance state.
- 3 Isolate controller and field power, prove the safe state and apply ESD controls before handling.
- 4 Record the slot, terminal block, every point assignment, common, shield and connected circuit before removal.
- 5 Verify the official electrical and configuration values documented for IC695CPE310; do not infer adjacent
- 6 Restore the approved backplane or carrier, terminal block, field power and engineering configuration.
- 7 Energize in the manufacturer sequence and review CPU, bus, module and channel diagnostics.
- 8 Complete a controlled signal, output or controller-response test before service release.

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ENGINEER FAQ

Q1 How is IC695CPE310 distinguished from adjacent RX3i catalog numbers?

Match the complete IC695CPE310 marking, the PACSystems RX3i CPE310 Controller designation and its recorded slot or carrier position.

Q2 What function is assigned to IC695CPE310 in the documented system?

The module provides embedded-Ethernet controller execution and deterministic backplane control in the matched PACSystems RX3i installation.

Q3 What is the official form factor for IC695CPE310?

Emerson documents form factor as Backplane; verify that value against the installed execution before work.

Q4 Which user memory applies to IC695CPE310?

The official value is 13 MB. Preserve the corresponding power, signal or controller configuration.

Q5 How should the documented discrete i/o capacity be checked on IC695CPE310?

Confirm discrete i/o capacity is 32K bits and compare the as-found wiring or configuration with the approved record.

Q6 What evidence is needed for the analog i/o capacity of IC695CPE310?

Record the installed condition and verify the official value 32K words during controlled commissioning.

Q7 What must be preserved before replacing IC695CPE310?

Record the slot or carrier, terminal assembly, point assignments, wiring, commons, shields, firmware or configuration state and active diagnostics.

Q8 How is IC695CPE310 accepted after installation?

Restore the documented hardware and point map, review module and controller diagnostics, and perform a controlled test of embedded-Ethernet controller execution and deterministic backplane

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SOURCE Emerson PACSystems RX3i CPE310 product record and IPI GFK-3248K | Emerson official product and PACSystems documentation, accessed 24 September 2026
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