INDUSTRIAL AUTOMATION PRODUCT

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 applications.

CONTROLLED ENGINEERING COPY

IDENTITY	VERIFIED VALUE
Manufacturer	Emerson
System family	PACSystems RX3i
Part number	IC695CPE310
Document status	Controlled product and system reference

DOCUMENT SCOPE

Exact article identity, official technical data, host matching, installation checks, applications, precautions and controlled acceptance evidence.

MODEL-SPECIFIC ENGINEERING 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.

System Role and Architecture

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 applications.

FUNCTION 1
Exact catalog identity IC695CPE310

FUNCTION 2
PACSystems RX3i CPE310 Controller

FUNCTION 3
Documented role: embedded-Ethernet controller execution and deterministic backplane control

FUNCTION 4
Controlled installation, diagnostics and functional verification

RELATED APTER POWER PAGES

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

MATCHED SYSTEM COMPONENTS

NO.	DOCUMENTED COMPONENT / ROLE
01	PACSystems RX3i
02	Matched RX3i backplane, carrier or terminal block
03	Documented field wiring, commons, shields and point map
04	Approved controller project and acceptance record

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	PACSystems RX3i
Interface role	embedded-Ethernet controller execution and deterministic backplane control
Field / power context	documented PACSystems RX3i backplane or distributed-I/O position
Commissioning evidence	Identity, electrical interfaces, configuration, diagnostics and controlled functional response recorded

INSTALLATION AND CONNECTION CHECKS

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.

Technical Specifications

Technical values below are limited to the named product record and directly applicable manufacturer documentation.

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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ENGINEERING BOUNDARY

Confirm IC695CPE310, the complete RX3i host, hardware revision, slot, terminal block, field power, wiring, grounding, shielding, configuration, diagnostics and controlled acceptance evidence before release.

PRE-INSTALLATION CHECKS

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.

Applications and Engineering Context

PACSystems RX3i planned maintenance

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

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.

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.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	IC695CPE310 recorded
Host / carrier	PACSystems RX3i
Physical interface	Installed terminal assembly, field power and point assignments matched to the as-found record
Configuration	Approved hardware, firmware and engineering configuration restored
Functional proof	Controlled test confirms embedded-Ethernet controller execution and deterministic backplane control

IMPORTANT NOTICE

Confirm IC695CPE310, the complete RX3i host, hardware revision, slot, terminal block, field power, wiring, grounding, shielding, configuration, diagnostics and controlled acceptance evidence before release.

Related Products and Source Record

Brand-qualified Apter Power navigation links are provided for system planning only; manufacturer evidence remains the named source record.

RELATED PRODUCTS ON APTER POWER

1. **General Electric IC660BBA023**
   View General Electric IC660BBA023 page
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MANUFACTURER SOURCE RECORD

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

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RECOMMENDATION SCOPE

These links support product navigation and comparison. Technical values in this document are sourced only from the manufacturer record above.