

IC695CPE400

PACSystems RX3i CPE400 Controller

Emerson IC695CPE400 is a PACSystems RX3i controller built around a 1.2 GHz AMD G-Series quad-core processor. It combines VxWorks control, an OLED display and hardware-rooted security

PRODUCT SNAPSHOT

BRAND
Emerson

FAMILY
PACSystems RX3i

PART
IC695CPE400

DOCUMENT STATUS
Controlled engineering copy

APTER POWER

WHATSAPP / PHONE

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WEBSITE

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PRODUCT OVERVIEW

IC695CPE400 provides quad-core controller execution, communications and secure edge integration for a matched PACSystems RX3i installation.

Exact catalog identity IC695CPE400

PACSystems RX3i CPE400 Controller

Documented role: quad-core controller execution, communications and secure edge integration

Controlled installation, diagnostics and functional verification

RELATED APTER POWER PAGES		
1 General Electric IC670TBM002	2 General Electric IC660BBA020	3 General Electric IC660BBA021
4 General Electric IC670MDL742	5 General Electric IC670MDL930	6 General Electric IC670CHS002
7 General Electric IC670CHS003	8 General Electric IC670CHS004	9 General Electric IC670TBM001

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
Processor	1.2 GHz AMD G-Series quad core
Operating system	VxWorks
Input voltage	18 to 30 VDC
Maximum input power	20 W

PARAMETER	VALUE
Display	OLED
Security	Secure Boot and Trusted Platform Module (TPM)
Marine certifications	ABS, DNV-GL, BV and LR

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8 General Electric IC670CHS004

9 General Electric IC670TBM001

TECHNICAL NOTE

Install IC695CPE400 only in the documented PACSystems RX3i position. Preserve the as-found terminal, point and configuration records; then verify diagnostics and quad-core controller execution, communications and secure edge integration under controlled conditions.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

PACSystems RX3i planned maintenance

Restores quad-core controller execution, communications and secure edge integration in the

PACSystems RX3i CPE400 Controller replacement

Uses exact IC695CPE400 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 IC695CPE400 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 IC695CPE400; 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 IC695CPE400 distinguished from adjacent RX3i catalog numbers?

Match the complete IC695CPE400 marking, the PACSystems RX3i CPE400 Controller designation and its recorded slot or carrier position.

Q2 What function is assigned to IC695CPE400 in the documented system?

The module provides quad-core controller execution, communications and secure edge integration in the matched PACSystems RX3i installation.

Q3 What is the official processor for IC695CPE400?

Emerson documents processor as 1.2 GHz AMD G-Series quad core; verify that value against the installed execution before work.

Q4 Which operating system applies to IC695CPE400?

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

Q5 How should the documented input voltage be checked on IC695CPE400?

Confirm input voltage is 18 to 30 VDC and compare the as-found wiring or configuration with the approved record.

Q6 What evidence is needed for the maximum input power of IC695CPE400?

Record the installed condition and verify the official value 20 W during controlled commissioning.

Q7 What must be preserved before replacing IC695CPE400?

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

Q8 How is IC695CPE400 accepted after installation?

Restore the documented hardware and point map, review module and controller diagnostics, and perform a controlled test of quad-core controller execution, communications and secure edge integration.

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SOURCE Emerson PACSystems RX3i CPE400 product record | Emerson official product and PACSystems documentation, accessed 24 September 2026

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