IC695CPE400

PACSystems RX3i CPE400 Controller

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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 features.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	IC695CPE400
Manufacturer	Emerson
System family	PACSystems RX3i
Record scope	Installation, application and verification

1 PLAN — 2 ISOLATE — 3 CONNECT — 4 CONFIGURE — 5 TEST

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01 PRE-INSTALLATION PLAN

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 catalog executions.

MATCHED HARDWARE

- IC695CPE400 with complete catalog identity
- Matched RX3i backplane or carrier
- Documented terminal block and field interfaces
- Approved project, diagnostics and acceptance record

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	IC695CPE400 recorded
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 quad-core controller execution, communications and secure edge integration

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Processor	1.2 GHz AMD G-Series quad core
Operating system	VxWorks
Input voltage	18 to 30 VDC
Maximum input power	20 W
Display	OLED
Security	Secure Boot and Trusted Platform Module (TPM)
Marine certifications	ABS, DNV-GL, BV and LR

RELATED PRODUCT PAGES

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

FIELD NOTE

Confirm IC695CPE400, the complete RX3i host, hardware revision, slot, terminal block, field power, wiring, grounding, shielding, configuration, diagnostics and controlled acceptance evidence before release.

03 COMMISSIONING WORKFLOW

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 catalog executions.
6. Restore the approved backplane or carrier, terminal block, field power and engineering configuration.

COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	IC695CPE400
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 quad-core controller execution, communications and secure edge integration

04 RETURN-TO-SERVICE RECORD

- [ ] Verify the official electrical and configuration values documented for IC695CPE400; do not infer adjacent catalog executions.
- [ ] Restore the approved backplane or carrier, terminal block, field power and engineering configuration.
- [ ] Energize in the manufacturer sequence and review CPU, bus, module and channel diagnostics.
- [ ] Complete a controlled signal, output or controller-response test before service release.

VERIFICATION RECORD

PRODUCT IDENTITY	IC695CPE400
INSTALLED POSITION	Documented PACSystems RX3i slot or distributed-I/O carrier position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

FUNCTIONAL ACCEPTANCE CHECKLIST

- [ ] Verify the official electrical and configuration values documented for IC695CPE400; do not infer adjacent catalog executions.
- [ ] Restore the approved backplane or carrier, terminal block, field power and engineering configuration.
- [ ] Energize in the manufacturer sequence and review CPU, bus, module and channel diagnostics.
- [ ] Complete a controlled signal, output or controller-response test before service release.

SOURCE IDENTIFIERS

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