INDUSTRIAL AUTOMATION PRODUCT

# 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 features.

CONTROLLED ENGINEERING COPY

| IDENTITY | VERIFIED VALUE |
|---|---|
| **Manufacturer** | Emerson |
| **System family** | PACSystems RX3i |
| **Part number** | IC695CPE400 |
| **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 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.

# System Role and Architecture

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.

**FUNCTION 1**
Exact catalog identity IC695CPE400

**FUNCTION 2**
PACSystems RX3i CPE400 Controller

**FUNCTION 3**
Documented role: quad-core controller execution, communications and secure edge integration

**FUNCTION 4**
Controlled installation, diagnostics and functional verification

## RELATED APTER POWER PAGES

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

## 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** | quad-core controller execution, communications and secure edge integration |
| **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 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.

# Technical Specifications

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

| 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 |

## RELATED PRODUCT PAGES

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

## ENGINEERING BOUNDARY

Confirm IC695CPE400, 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 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.

# Applications and Engineering Context

### PACSystems RX3i planned maintenance

Restores quad-core controller execution, communications and secure edge integration in the documented control architecture.

### 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.

### 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.

## MODEL-SPECIFIC ACCEPTANCE EVIDENCE

| CHECK | ACCEPTANCE CONDITION |
|---|---|
| Identity | IC695CPE400 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 quad-core controller execution, communications and secure edge integration |

### IMPORTANT NOTICE

Confirm IC695CPE400, 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 IC670MDL742**
   View General Electric IC670MDL742 page
2. **General Electric IC670MDL930**
   View General Electric IC670MDL930 page
3. **General Electric IC670CHS002**
   View General Electric IC670CHS002 page
4. **General Electric IC670CHS003**
   View General Electric IC670CHS003 page
5. **General Electric IC670CHS004**
   View General Electric IC670CHS004 page
6. **General Electric IC670TBM001**
   View General Electric IC670TBM001 page
7. **General Electric IC670TBM002**
   View General Electric IC670TBM002 page
8. **General Electric IC660BBA020**
   View General Electric IC660BBA020 page
9. **General Electric IC660BBA021**
   View General Electric IC660BBA021 page

## MANUFACTURER SOURCE RECORD

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

## APTER POWER SALES TEAM


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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.