INDUSTRIAL AUTOMATION PRODUCT

IC695CPU320

PACSystems RX3i CPU320 Controller

Emerson IC695CPU320 is a 1 GHz PACSystems RX3i CPU with 64 MB user memory. It operates on the RX3i dual backplane bus and supports legacy serial communications for controlled-system integration.

CONTROLLED ENGINEERING COPY

IDENTITY	VERIFIED VALUE
Manufacturer	Emerson
System family	PACSystems RX3i
Part number	IC695CPU320
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 IC695CPU320 only in the documented PACSystems RX3i position. Preserve the as-found terminal, point and configuration records; then verify diagnostics and high-capacity CPU execution and dual-bus RX3i backplane control under controlled conditions.

System Role and Architecture

Emerson IC695CPU320 is a 1 GHz PACSystems RX3i CPU with 64 MB user memory. It operates on the RX3i dual backplane bus and supports legacy serial communications for controlled-system integration.

FUNCTION 1
Exact catalog identity IC695CPU320

FUNCTION 2
PACSystems RX3i CPU320 Controller

FUNCTION 3
Documented role: high-capacity CPU execution and dual-bus RX3i backplane control

FUNCTION 4
Controlled installation, diagnostics and functional verification

RELATED APTER POWER PAGES

1. Emerson KC4011X1-BZ1
2. Emerson KJ2201X1-HA1
3. Emerson KJ2201X1-BA1
4. Emerson KJ3221X1-BA1-12P2531X122-VE4003S2B
5. Emerson KJ4001X1-BE1-12P0818X072-VE4050S2K
6. Emerson KJ2005X1-BK1-C2-A0SE3007
7. General Electric IC698CPE010
8. General Electric IC697MEM715
9. General Electric IC752SPL013

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	high-capacity CPU execution and dual-bus RX3i 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 IC695CPU320 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 GHz
User memory	64 MB
Power requirement	+3.3 VDC at 1.0 A nominal; +5 VDC at 1.2 A nominal
Embedded communications	RS-232 and RS-485

PARAMETER	VALUE
Backplane	RX3i PCI and high-speed serial bus
Compatible Genius gateway	IC695GCG001 with firmware 8.15 or later
Program environment	PACSystems RX3i
Battery retention	Supported with approved RX3i battery packs

RELATED PRODUCT PAGES

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6. Emerson KJ2005X1-BK1-C2-A0SE3007
7. General Electric IC698CPE010
8. General Electric IC697MEM715
9. General Electric IC752SPL013

ENGINEERING BOUNDARY

Confirm IC695CPU320, 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 IC695CPU320 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 high-capacity CPU execution and dual-bus RX3i backplane control in the documented control architecture.

PACSystems RX3i CPU320 Controller replacement

Uses exact IC695CPU320 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 IC695CPU320 only in the documented PACSystems RX3i position. Preserve the as-found terminal, point and configuration records; then verify diagnostics and high-capacity CPU execution and dual-bus RX3i backplane control under controlled conditions.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	IC695CPU320 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 high-capacity CPU execution and dual-bus RX3i backplane control

IMPORTANT NOTICE

Confirm IC695CPU320, 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. **Emerson KC4011X1-BZ1**
   View Emerson KC4011X1-BZ1 page
2. **Emerson KJ2201X1-HA1**
   View Emerson KJ2201X1-HA1 page
3. **Emerson KJ2201X1-BA1**
   View Emerson KJ2201X1-BA1 page
4. **Emerson KJ3221X1-BA1-12P2531X122-VE4003S2B2**
   View Emerson KJ3221X1-BA1-12P2531X122-VE4003S2B2 page
5. **Emerson KJ4001X1-BE1-12P0818X072-VE4050S2K1C0**
   View Emerson KJ4001X1-BE1-12P0818X072-VE4050S2K1C0 page
6. **Emerson KJ2005X1-BK1-C2-A0SE3007**
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   View General Electric IC752SPL013 page

MANUFACTURER SOURCE RECORD

Emerson PACSystems RX3i System Manual GFK-2314AB | 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.