

INDUSTRIAL AUTOMATION PRODUCT

IC695RMX128

Reflective Memory Module

High-availability shared-memory data exchange over a PACSystems RX3i fiber network

IDENTITY	VERIFIED VALUE
Manufacturer	GE
System family	GE PACSystems RX3i reflective-memory network
Part number	IC695RMX128

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Technical Specifications

Technical values below are limited to the named GE product record.

PARAMETER	TECHNICAL VALUE
Part number	IC695RMX128
Platform	PACSystems RX3i
Function	Redundant Memory Xchange / reflective memory
Memory	128 MB SDRAM
Transfer model	Packet-based dynamic data exchange
Power at 3.3 V DC	580 mA
Power at 5 V DC	220 mA
Fiber connector	LC, IEC 61754-20
Fiber type	Multimode
Maximum fiber segment	300 m
Connector ferrule	Zirconium ceramic
Maximum insertion loss	0.35 dB
Return loss	-30 dB
CMX128 packet size	4 to 68 bytes
General-purpose network interrupts	4
Maximum network nodes	256
Configuration	Configurable network offset and redundant-transfer mode

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System Role and Architecture

High-availability shared-memory data exchange over a PACSystems RX3i fiber network

FUNCTION 1

Provides 128 MB shared reflective memory

FUNCTION 2

Uses multimode fiber with LC connectors

FUNCTION 3

Supports redundant data transfer

FUNCTION 4

Provides programmable network interrupts

Matched system components

- PACSystems RX3i universal backplane
- compatible reflective-memory nodes
- multimode LC fiber network
- PAC Machine Edition hardware configuration

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	PACSystems RX3i universal backplane
Companion hardware	compatible reflective-memory nodes
Field connection	multimode LC fiber network
Primary system function	Provides 128 MB shared reflective memory
Controlled acceptance duty	High-availability controller exchange

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Applications and Engineering Context

High-availability controller exchange

Provides 128 MB shared reflective memory

Deterministic shared-memory data

Uses multimode fiber with LC connectors

Fiber-connected control nodes

Supports redundant data transfer

RX3i RMX replacement

Provides programmable network interrupts

TECHNICAL NOTE

Export the RX3i hardware configuration, record node and network offsets, isolate the rack, protect the LC fiber ends and verify every redundant-transfer setting.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	IC695RMX128 / IC695RMX128 recorded
Physical interface	PACSystems RX3i universal backplane
Companion check	compatible reflective-memory nodes
Functional proof	Provides 128 MB shared reflective memory
Application test	High-availability controller exchange

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Engineering Precautions

- 1 Verify the complete IC695RMX128 marking and its assigned GE PACSystems RX3i reflective-memory network position before work.
- 2 Place the connected high-availability controller exchange process in the approved maintenance state.
- 3 Isolate every documented power, signal and stored-energy source before disconnecting conductors or cables.
- 4 Record the installed slot, connectors, conductors, addressing, firmware and software configuration before removal.
- 5 Use ESD-safe handling and protect keyed electrical, fiber or sensor interfaces as applicable.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
GE IC693MDL741G	Related industrial automation product	View GE IC693MDL741G page
GE IC670MDL640	Related industrial automation product	View GE IC670MDL640 page
GE DS200SLCCG3AFG	Related industrial automation product	View GE DS200SLCCG3AFG page
GE F31X134EPRBEG1 FR00 0	Related industrial automation product	View GE F31X134EPRBEG1 FR00 0 page
Allen-Bradley 2711P RC3	Related industrial automation product	View Allen-Bradley 2711P RC3 page
Schneider Electric PC E984 685	Related industrial automation product	View Schneider Electric PC E984 685 page
Allen-Bradley 2711 B6C1	Related industrial automation product	View Allen-Bradley 2711 B6C1 page
ABB DSTD110A	Related industrial automation product	View ABB DSTD110A page

MANUFACTURER SOURCE RECORD

Emerson PACSystems RX3i IC695RMX128 product record and RX3i reflective-memory documentation
IC695RMX128; PACSystems RX3i

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