

IC695RMX128

Reflective Memory Module

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

PRODUCT SNAPSHOT

BRAND

GE

FAMILY

GE PACSystems RX3i reflective-memory netwo

PART

IC695RMX128

PRODUCT TYPE

Reflective Memory Module

APTER POWER SALES TEAM

WHATSAPP / PHONE

+86 180 3023 5313

EMAIL

sales13@apterpower.com

WEBSITE

www.apterpower.com



PRODUCT OVERVIEW

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

1

Provides 128 MB shared reflective memory

2

Uses multimode fiber with LC connectors

3

Supports redundant data transfer

4

Provides programmable network interrupts

SYSTEM COMPONENTS

PACSystems RX3i universal backplane

compatible reflective-memory nodes

multimode LC fiber network

PAC Machine Edition hardware configuration

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.

TECHNICAL DATA

PARAMETER	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

PARAMETER	VALUE
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

ENGINEERING 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.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
Bently Nevada 330354 040 24 05	Related industrial automation product	View Bently Nevada 330354 040 24 05 page
Bently Nevada 3500 15 129486 01	Related industrial automation product	View Bently Nevada 3500 15 129486 01 page
Bently Nevada 330103 00 06 10 02 CN	Related industrial automation product	View Bently Nevada 330103 00 06 10 02 CN page
Bently Nevada 330101 30 63 15 02 CN	Related industrial automation product	View Bently Nevada 330101 30 63 15 02 CN page
Bently Nevada 26363 30	Related industrial automation product	View Bently Nevada 26363 30 page
Bently Nevada 3300 12 02 20 00	Related industrial automation product	View Bently Nevada 3300 12 02 20 00 page
Siemens A5E36717803	Related industrial automation product	View Siemens A5E36717803 page
Siemens A5E36717808	Related industrial automation product	View Siemens A5E36717808 page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

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

PRODUCT 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.
- 6 Confirm the installed PACSystems RX3i universal backplane and compatible reflective-memory nodes against the approved project.
- 7 Restore power in a controlled sequence and review device, network and host diagnostics.
- 8 Prove the intended deterministic shared-memory data function and retain the final acceptance result.

ENGINEER FAQ

Q1 Which PACSystems platform accepts GE IC695RMX128?

IC695RMX128 is an RX3i specialty module for a compatible PACSystems universal backplane.

Q2 How much reflective memory is provided by GE IC695RMX128?

The module provides 128 MB of SDRAM for configured shared-memory exchange.

Q3 Which optical medium is required by GE IC695RMX128?

Use the documented multimode fiber network with LC connectors and protect every optical end face during service.

Q4 What fiber-segment length applies to GE IC695RMX128?

The documented multimode segment limit is 300 m; verify the complete network loss budget as well as length.

Q5 Which backplane currents must be allowed for GE IC695RMX128?

Allow 580 mA from 3.3 V DC and 220 mA from 5 V DC in the RX3i power budget.

Q6 How many nodes can participate with GE IC695RMX128?

The reflective-memory network supports up to 256 configured nodes, subject to the approved system design.

Q7 Which interrupt resources are available on GE IC695RMX128?

The module provides a programmable interrupt and four general-purpose network interrupts for the configured application.

Q8 What must be restored when replacing GE IC695RMX128?

Restore the exact slot, node and network offsets, redundant-transfer mode, interrupt mapping and fiber-ring order, then prove memory exchange and diagnostics.

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

+86 180 3023 5313 | sales13@apterpower.com | www.apterpower.com