

IC698RMX016

RX7i Redundancy Memory Xchange Module

GE IC698RMX016 is a single-slot PACSystems RX7i Memory Xchange module with 16 Mbytes of parity-protected reflective memory. It can operate as a redundancy link or as a reflective-memory network node using its multimode-fiber interface.

BRAND	GE	MODEL	IC698RMX016
PRODUCT	RX7i Redundancy Memory Xchange Module	FAMILY	PACSystems RX7i
OFFICIAL SOURCE	Emerson Memory Xchange Module User Manual	RECORD	GFK-2300G, IC698RMX016 features and compatibility

DOCUMENT SCOPE

Official technical evidence, controlled engineering checks, model-specific FAQ and related product navigation.

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Product Overview and Applications

SYSTEM FUNCTION

GE IC698RMX016 is a single-slot PACSystems RX7i Memory Xchange module with 16 Mbytes of parity-protected reflective memory. It can operate as a redundancy link or as a reflective-memory network node using its multimode-fiber interface.

FUNCTION 1

Provides 16 Mbytes of reflective memory with parity

FUNCTION 2

Supports RX7i CPU redundancy links

FUNCTION 3

Uses a 2.1 Gbps multimode-fiber network

FUNCTION 4

Reports local, remote, link and signal status through front LEDs

APPLICATION	ENGINEERING CONTEXT
CPU redundancy link	Transfers redundancy data between compatible RX7i controller units.
Reflective-memory networking	Shares deterministic data with compatible 5565-family network devices.
High-speed controller exchange	Moves 4- to 64-byte packets without PACS CPU processing.
Legacy network maintenance	Replaces an identical RMX016 after node, role and fiber checks.

Technical Data and Acceptance

PARAMETER	VERIFIED VALUE
Controller family	PACSystems RX7i
Module type	Redundancy Memory Xchange
Reflective memory	16 Mbytes with parity
Form factor	Single slot
Fiber interface	Multimode fiber, LC transmit and receive ports
Network link speed	2.1 Gbps
Transfer rate	43 Mbps to 174 Mbps, packet-size dependent
Network capacity	Up to 256 nodes
CPU requirement	RX7i CPU firmware 2.0 or later
Programming software	PAC Machine Edition Logic Developer 4.5 or later

Acceptance Path

1 IDENTITY

The complete IC698RMX016 marking and revision agree with the engineering record.

2 COMPATIBILITY

System position, companion hardware and interfaces match the manufacturer documentation.

3 CONFIGURATION

Saved values, channel mappings and protection limits are restored without unexplained change.

4 FUNCTIONAL PROOF

Diagnostics and the model-specific controlled test pass without unexplained fault.

Precautions and Model-Specific FAQ

NO.	PRECAUTION	QUESTION	ANSWER
1	Verify the complete IC698RMX016 marking and do not substitute the CMX016	What is GE IC698RMX016?	It is the RX7i Redundancy Memory Xchange module with 16 Mbytes of reflective memory.
2	Back up node, role, interrupt and memory-offset configuration before removal.		
3	Confirm the RX7i CPU firmware and PAC Machine Edition versions.	Can GE IC698RMX016 operate as a redundancy link?	Yes. Only the RMX module, paired with a CPU that supports redundancy, can provide the documented redundancy link.
4	Use only the documented redundancy-capable CPU when the module is a redundancy link.		
5	Label TX and RX multimode-fiber connections before disconnection.	What network interface does GE IC698RMX016 use?	It uses LC transmit and receive ports for a 2.1 Gbps multimode-fiber network.
6	Protect LC fiber ends from contamination and excessive bend radius.	How many nodes can a GE IC698RMX016 network support?	The official manual specifies up to 256 nodes.
7	Restore the role switch and configured node parameters exactly.		
8	Verify link, local/remote ready-active, own-data and signal-detect status before release.		

Related Products on Apter Power

MODEL	APTER POWER PAGE
General Electric IC693ALG391	View General Electric IC693ALG391
General Electric IC693ALG391G	View General Electric IC693ALG391G
General Electric IC693CMM321-KM	View General Electric IC693CMM321-KM
General Electric IC693MDL742	View General Electric IC693MDL742
General Electric IC694ALG221A	View General Electric IC694ALG221A
General Electric IC694MDL645A	View General Electric IC694MDL645A

FAQ, Related Products and Sources

QUESTION	ANSWER
Which software and CPU versions are required for GE IC698RMX016?	The manual specifies RX7i CPU firmware 2.0 or later and PAC Machine Edition Logic Developer 4.5 or later.
What must be preserved before replacing GE IC698RMX016?	Preserve the node number, role, memory offset, interrupts, redundancy settings and fiber routing.
What confirms successful commissioning of GE IC698RMX016?	Normal OK, LINK, ready/active, own-data and signal-detect indications plus data-transfer tests confirm release.

MANUFACTURER SOURCE RECORDS

Emerson Memory Xchange Module User Manual - GFK-2300G, IC698RMX016 features and compatibility
Emerson Memory Xchange Module User Manual - GFK-2300G, IC698RMX016 features and compatibility

Related Products on Apter Power

MODEL	APTER POWER PAGE
General Electric IC694MDL645D	View General Electric IC694MDL645D
General Electric IC694PWR321	View General Electric IC694PWR321
General Electric IC695NIU001-ADAD	View General Electric IC695NIU001-ADAD
General Electric HE693ADC415	View General Electric HE693ADC415
General Electric HE693SNP900	View General Electric HE693SNP900
General Electric HE693THM884G	View General Electric HE693THM884G
General Electric IC693ACC302B	View General Electric IC693ACC302B
General Electric IC693ALG223	View General Electric IC693ALG223

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