

Installation Identity and Scope

GE IC697CPM790 is a 64 MHz, 32-bit floating-point Series 90-70 CPU with 1 Mbyte of user memory for Genius Modular Redundancy systems. It operates with the documented Standalone C program and GMR software configuration.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	IC697CPM790
Manufacturer	GE
Hardware type	Series 90-70 GMR CPU
System family	Series 90-70
Official source	GFK-1215B, IC697CPM790 CPU data

CONTROLLED ENGINEERING COPY

Use only the complete GE IC697CPM790 identity and the current manufacturer documentation. Verify the installed revision, companion hardware, wiring and saved configuration before replacement or release.

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IC697CPM790

Pre-Installation Plan

NO.	REQUIRED ACTION
1	Verify the complete IC697CPM790 revision and installed firmware.
2	Use the module in the documented Series 90-70 rack position.
3	Back up application logic, configuration and GMR records before removal.
4	Confirm the required Standalone C program is included in the loaded application.
5	Match duplex or triplex CPU modules by model and approved revision.

Matched Hardware

CONTROL ITEM	REQUIRED RECORD
Identity	IC697CPM790
Physical interface	Exact GE IC697CPM790 nameplate and installed revision
Companion check	Documented Series 90-70 GMR CPU system position and companion hardware
Configuration	Labeled field, power, communication and grounding connections
Functional proof	Saved configuration plus a controlled functional-test record

Related Products on Apter Power

MODEL	APTER POWER PAGE
General Electric 531X111PSHARG1	View General Electric 531X111PSHARG1
General Electric 8021-CE-LH	View General Electric 8021-CE-LH
General Electric 8810-HI-TX-01	View General Electric 8810-HI-TX-01
General Electric 8811-IO-DC	View General Electric 8811-IO-DC
General Electric 8851-LC-MT	View General Electric 8851-LC-MT

Wiring and Interface Checks

CHECK	MODEL-SPECIFIC REQUIREMENT
Identity	Record GE IC697CPM790 and the installed revision exactly.
Controller family	Verify the documented value: Series 90-70.
Processor	Verify the documented value: 64 MHz, 32-bit floating point.
Connections	Label every installed interface, common, shield and protective-ground connection.
Configuration	Back up and restore the model-specific settings, mappings and approved limits.
Functional proof	Test the complete Series 90-70 GMR CPU function under a controlled maintenance state.

CONFIGURATION BOUNDARY

Use only the complete GE IC697CPM790 identity and the current manufacturer documentation. Verify the installed revision, companion hardware, wiring and saved configuration before replacement or release.

Expected Technical Values

PARAMETER	VALUE
Controller family	Series 90-70
Processor	64 MHz, 32-bit floating point
User memory	1 Mbyte
Control architecture	Genius Modular Redundancy / TMR

Related Products on Apter Power

MODEL	APTER POWER PAGE
General Electric DS200TCEAG1BSF	View General Electric DS200TCEAG1BSF
General Electric IC600BF843	View General Electric IC600BF843

Commissioning and Acceptance

TEST	ACCEPTANCE CONDITION
Identity	The complete IC697CPM790 marking and revision agree with the engineering record.
Compatibility	System position, companion hardware and interfaces match the manufacturer documentation.
Configuration	Saved values, channel mappings and protection limits are restored without unexplained change.
Functional proof	Diagnostics and the model-specific controlled test pass without unexplained fault.

Model-Specific Questions

QUESTION	ENGINEERING ANSWER
What is GE IC697CPM790?	It is a Series 90-70 GMR CPU with a 64 MHz 32-bit floating-point processor and 1 Mbyte of user memory.
Why does GE IC697CPM790 require a Standalone C program?	The program provides the GMR operating and autotest routines required for the CPU to operate in the documented architecture.
Which control applications use GE IC697CPM790?	The GE data sheet identifies emergency shutdown, fire and gas, and other critical-control applications.
Can GE IC697CPM790 be mixed with a different CPU model in a duplex or triplex set?	No. The GMR system requires the CPUs in the redundant set to be the same model.

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

FAQ, Source and Controlled Release

QUESTION	ENGINEERING ANSWER
What must be backed up before replacing GE IC697CPM790?	Back up logic, hardware configuration, GMR settings, reference data and the installed software/firmware record.
Which GE IC697CPM790 indications should be checked after startup?	Check module OK, run, outputs enabled and memory-protect indications together with the mode switches.
What confirms successful commissioning of GE IC697CPM790?	A matched redundant set, passed GMR diagnostics, correct voted-I/O operation and an approved functional test confirm release.

MANUFACTURER SOURCE RECORDS

GE Fanuc IC697CPM790 Data Sheet - GFK-1215B, IC697CPM790 CPU data
Emerson GMR compatibility information - GFK-2524B, CPM790 hardware and firmware requirements

Controlled Release Summary

RELEASE ITEM	REQUIRED EVIDENCE
Identity	IC697CPM790 recorded
Interface	Connections and companion hardware verified
Configuration	Installed values agree with approved record
Functional proof	Controlled test completed without unexplained fault

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