GE IC697CPM915

Series 90-70 CPU

GE IC697CPM915 is a single-slot Series 90-70 CPU with a 32 MHz 80486DX processor, floating-point execution and 1 MB of battery-backed memory.

Job objective

Replace, install or verify the exact module without changing unrelated wiring, configuration, dimensions, weight or other stored product data.

Safe-work boundary

Identify Match the complete model and every suffix or secondary code.	**Isolate** Apply the plant-approved electrical and process isolation procedure.
Preserve Back up configuration and photograph all connections.	**Control** Use ESD protection and revision-controlled documentation.

Required evidence before work

Nameplate photo; slot/rack record; connector map; project backup where applicable; fault history; approved acceptance procedure.

Model-specific release focus

- 32 MHz 80486DX processor
- 1 MB battery-backed memory
- 12K discrete I/O and up to 8K analog I/O
- 0.4 µs per Boolean function

Readiness checklist

Exact identity	GE IC697CPM915 matches the work order and physical unit
System position	Rack, slot and functional assignment are recorded
Configuration	Parameters, firmware or project data are backed up when applicable
Connections	Every cable, terminal, jumper and shield is labeled
Condition	Connector, board and packaging condition are inspected
Test plan	Expected states and acceptance evidence are agreed

Interface preparation

Rack backplane	VME C.1 interface to Series 90-70 I/O and option modules
Serial port	15-pin RS-422/485-compatible programmer connection
Battery connectors	Two connectors permit battery transfer without interrupting backup
Mode and protection	Three-position run switch and remote-programmer memory key

Interface evidence for acceptance

- Rack backplane: VME C.1 interface to Series 90-70 I/O and option modules
- Serial port: 15-pin RS-422/485-compatible programmer connection
- Battery connectors: Two connectors permit battery transfer without interrupting backup
- Mode and protection: Three-position run switch and remote-programmer memory key

03 / INSTALLATION SEQUENCE

Controlled replacement workflow

1	Confirm isolation and absence of hazardous energy
2	Compare old and replacement identities and revisions
3	Photograph and label all connections
4	Remove the existing module using ESD-safe handling
5	Inspect slot, connector, grounding and cooling path
6	Install the exact replacement without forcing connectors
7	Restore cables, jumpers and settings from the controlled record
8	Perform a final visual and continuity check before energization

STOP POINT

Do not energize if the model, slot, connector orientation, grounding, jumper state or documented system assignment is unresolved.

Configuration-control record

- Analog capacity: Up to 8K I/O
- Serial interface: RS-422/485 compatible
- Backplane current: 2.8 A nominal from 5 V bus
- Memory retention: 6 months nominal without applied power

Staged return to service

Stage	Action	Acceptance
Stage 1	Visual inspection and isolation release	Expected controlled result
Stage 2	Apply control power under observation	Expected controlled result
Stage 3	Confirm module recognition or status	Expected controlled result
Stage 4	Verify communication and affected signal paths	Expected controlled result
Stage 5	Exercise the documented function	Expected controlled result
Stage 6	Archive measured results and as-left configuration	Expected controlled result

Product-specific acceptance focus

1

Match the run switch and output-enable state to the approved commissioning plan.

2

Confirm RS-422/485 cable pinout and grounding before connecting a programmer.

3

Protect the program with the memory key only after the final configuration has been stored and verified.

4

After restart, validate the clock, battery status, I/O scan, option modules and controlled output transition.

Fault isolation and final record

1	Unexpected state: stop and capture evidence
2	Recheck identity, power, slot and connectors
3	Compare configuration and revision records
4	Test surrounding system before condemning the module
5	Restore a safe state and document the outcome

Apter Power handover record

Model identity	Keep the complete GE model code and every suffix in purchasing, installation and acceptance records.
Verification boundary	Confirm the physical nameplate, installed position and revision-controlled project documents before field work.
Apter Power support	Use the contact details and Apter Power website links in this document for product and sourcing support.

Related Apter Power references	Scope note
GE IC697CPU772	Portfolio reference only; verify compatibility independently.
GE IC697CPU731	Portfolio reference only; verify compatibility independently.
GE IC697CPX782	Portfolio reference only; verify compatibility independently.



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