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.

01	02	03	04
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

System position

Engineering configuration and program	IC697CPM915 CPU and memory	VME C.1 rack backplane	IC697, IC660 and IC661 I/O

Evidence boundary

Only verified exact-model facts and explicitly identified family context are included. Similar codes are not treated as substitutes.

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

02 / CAPABILITY MAP

Engineering domains and architecture

Processor	32 MHz 80486DX
Memory	1 MB battery-backed
Boolean execution	0.4 µs per function
Discrete capacity	12K inputs and outputs, any mix

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

Interface architecture

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 / INTEGRATION AND APPLICATIONS

Use cases with controlled scope

Machine control

Executes mixed Boolean and floating-point logic for equipment sequences.

Process control

Coordinates analog I/O and intelligent option modules in one rack system.

Material handling

Supports deterministic rack I/O and distributed IC660/IC661 data.

Legacy Series 90-70 maintenance

Maintains programs and hardware configurations built around the CPM915 platform.

INTEGRATION CHECKPOINTS

Identity

GE IC697CPM915 is preserved in full.

Host system

Rack, slot and surrounding hardware are verified.

Configuration

Project, firmware and settings are recorded.

Acceptance

Functional evidence is captured before release.

System relationship

Engineering configuration and program	IC697CPM915 CPU and memory	VME C.1 rack backplane	IC697, IC660 and IC661 I/O

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

Decision matrix

Question	Answer
Which processor is used by GE IC697CPM915?	It uses a 32 MHz 80486DX microprocessor with floating-point support.
How much memory is installed in GE IC697CPM915?	The CPU carries 1 MB of configurable battery-backed program and data memory.
What discrete I/O capacity does GE IC697CPM915 support?	It supports 12K inputs and outputs in any mix.
What analog I/O capacity is available with GE IC697CPM915?	The documented system capacity is up to 8K analog I/O.

Eight release precautions

1 Install IC697CPM915 only in slot 1 of a compatible Series 90-70 CPU rack.	**2** Record the complete hardware configuration and program checksum before replacing the CPU.	**3** Install the new battery on the spare connector before unplugging the old battery.	**4** Verify that the rack power supply can provide the CPU's 2.8 A nominal 5 V load.
5 Match the run switch and output-enable state to the approved commissioning plan.	**6** Confirm RS-422/485 cable pinout and grounding before connecting a programmer.	**7** Protect the program with the memory key only after the final configuration has been stored and verified.	**8** After restart, validate the clock, battery status, I/O scan, option modules and controlled output transition.

Product verification and support

Apter Power verification 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.

	Apter Power technical and sourcing support sales13@apterpower.com +86 180 3023 5313 www.apterpower.com Scan for the Apter Power contact page.	Model record GE IC697CPM915 Series 90-70 CPU Verify the complete nameplate before installation.