

INDUSTRIAL AUTOMATION PRODUCT

IC697MEM715

128 KB CMOS Expansion Memory

GE IC697MEM715 is a 128 KB CMOS expansion-memory daughter board for supported Series 90-70 CPU and programmable coprocessor modules. It expands program and data storage without occupying an additional rack slot.

IDENTITY	VERIFIED VALUE
Manufacturer	GE
Complete model	IC697MEM715
Product role	128 KB CMOS Expansion Memory
System family	GE Fanuc Series 90-70
Country of origin	USA

DOCUMENT SCOPE

Exact identity, manufacturer-supported technical data, installation checks, applications, precautions and controlled verification records.

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IC697MEM715

Technical Specifications

PARAMETER	VERIFIED VALUE
Memory capacity	128 KB
Memory technology	CMOS RAM
Installation format	Daughter board on supported base module
Rack slots required	No additional slot
Supported CPU modules	IC697CPU771 and IC697CPU772
Supported coprocessor	IC697PCM711 family
Memory use	Program and data memory
Retention source	Battery on the base module
Battery shelf life	10 years at 20 °C
Nominal retention without power	6 months

Model-Specific Engineering Note

ENGINEERING BOUNDARY

Install IC697MEM715 on the documented base module only after rack power is removed and the retained program is backed up. Verify CPU or PCM compatibility, memory configuration and battery-backed retention before returning the controller to service.

Pre-Installation Checks

NO.	REQUIRED CHECK
1	Confirm the complete IC697MEM715 marking and the supported base-module part number before work.
2	Back up the retained program and configuration before removing rack power.
3	Remove all rack power before installing or removing the daughter board.
4	Use ESD controls and avoid contact with CMOS components and connector fingers.
5	Verify the base-module battery condition before relying on retained memory.

System Role and Architecture

GE IC697MEM715 is a 128 KB CMOS expansion-memory daughter board for supported Series 90-70 CPU and programmable coprocessor modules. It expands program and data storage without occupying an additional rack slot.

FUNCTION 1
Adds 128 KB of battery-backed CMOS memory

FUNCTION 2
Mounts as a daughter board without consuming another rack slot

FUNCTION 3
Supports documented Series 90-70 CPU and PCM modules

FUNCTION 4
Can be configured for program and data storage

Common Applications

APPLICATION	ENGINEERING CONTEXT
Series 90-70 program expansion	Adds retained memory to a compatible CPU when the installed application exceeds base memory.
PCM application storage	Expands supported programmable coprocessor memory for documented logic or data duties.
Legacy controller maintenance	Restores the exact 128 KB daughter-board configuration in an installed Series 90-70 system.
Controlled memory migration	Supports a documented backup, replacement and restore process without adding another chassis slot.

CONTROLLED ACCEPTANCE DUTY
Confirm identity, physical interface, companion hardware, configured values and functional response against the installed-system record before release.

Engineering Precautions

NO.	PRECAUTION
1	Confirm the complete IC697MEM715 marking and the supported base-module part number before work.
2	Back up the retained program and configuration before removing rack power.
3	Remove all rack power before installing or removing the daughter board.
4	Use ESD controls and avoid contact with CMOS components and connector fingers.
5	Verify the base-module battery condition before relying on retained memory.
6	Seat IC697MEM715 evenly on the documented connectors without bending pins.
7	Confirm configured program and data memory allocation after installation.
8	Restore the approved application and complete a controlled controller functional test.

Model-Specific FAQ — Part 1

QUESTION	ANSWER
What capacity does GE IC697MEM715 add?	IC697MEM715 provides 128 KB of CMOS expansion memory.
Does GE IC697MEM715 consume another rack slot?	No. It installs as a daughter board on the supported CPU or PCM and uses no additional chassis slot.
Which CPUs are documented for GE IC697MEM715?	The expansion-memory data sheet lists IC697CPU771 and IC697CPU772 among the supported base modules.
Can GE IC697MEM715 be used with a programmable coprocessor module?	Yes. The manufacturer data sheet includes supported IC697PCM711-family programmable coprocessor modules.

Model-Specific FAQ — Part 2

QUESTION	ANSWER
How is GE IC697MEM715 retained when rack power is removed?	The memory is retained by the battery installed on the base CPU or PCM module.
What nominal unpowered retention is published for GE IC697MEM715?	The data sheet specifies a nominal six-month retention period, subject to battery condition and service history.
Can GE IC697MEM715 be configured for both program and data?	Yes. The supported base module can allocate the expansion memory for program and data storage.
What evidence should be recorded after replacing GE IC697MEM715?	Record the base-module identity, memory capacity, battery status, restored application, configured allocation and successful controller test.

Related Products on Apter Power

MODEL	APTER POWER PAGE
0552n1qlg132a-06-v1-1	View 0552n1qlg132a-06-v1-1
151x1202ye03sa04-is200staih2adc	View 151x1202ye03sa04-is200staih2adc
151x1225df01pc03ra	View 151x1225df01pc03ra
151x1233db02sa02	View 151x1233db02sa02
151x1235bc01sa41	View 151x1235bc01sa41
269plus-100p-120	View 269plus-100p-120
531x111pshapg3	View 531x111pshapg3
531x111psharg1	View 531x111psharg1

MANUFACTURER SOURCE RECORD

Series 90-70 Expansion Memory Data Sheet
GE Fanuc publication GFK-0160F; Series 90-70 Data Sheet Manual GFK-0600F

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