

IC697CPU772

Series 90-70 Expandable Floating-Point CPU

GE IC697CPU772 is a single-slot 12 MHz Series 90-70 CPU with floating-point capability. Its battery-backed CMOS memory is expanded with the documented 64K through 512K daughter boards.

BRAND	GE	MODEL	IC697CPU772
PRODUCT	Series 90-70 Expandable Floating-Point CPU	FAMILY	Series 90-70
OFFICIAL SOURCE	GE Fanuc Expandable Floating Point CPU Data Sheet	RECORD	GFK-0588E, IC697CPU772 features and specifications

DOCUMENT SCOPE

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

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IC697CPU772

Product Overview and Applications

SYSTEM FUNCTION

GE IC697CPU772 is a single-slot 12 MHz Series 90-70 CPU with floating-point capability. Its battery-backed CMOS memory is expanded with the documented 64K through 512K daughter boards.

FUNCTION 1

Combines 12 MHz Series 90-70 control with floating-point math

FUNCTION 2

Supports approved 64K through 512K expansion-memory boards

FUNCTION 3

Handles up to 2K discrete points and 8K analog points

FUNCTION 4

Uses software configuration and a protected operating-mode switch

APPLICATION	ENGINEERING CONTEXT
Floating-point control	Executes documented calculations for process and machine-control programs.
Large legacy applications	Uses an approved expansion-memory board for the required program capacity.
CPU replacement	Retains the exact memory board, program and rack interface.
Restart verification	Restores logic, memory and I/O configuration before a controlled run test.

Technical Data and Acceptance

PARAMETER	VERIFIED VALUE
Product family	Series 90-70
Processor clock	12 MHz
Processor	80C186 with floating-point math support
User memory	Up to 512K battery-backed CMOS with approved expansion board
Memory board options	64K, 128K, 256K or 512K
Discrete I/O	Up to 2K inputs and outputs in any mix
Analog I/O	Up to 8K analog inputs and outputs
Boolean execution	0.4 microsecond per Boolean function
Rack interface	VME C.1, single slot
Programmer port	RS-422 compatible serial port
Operating control	Three-position mode switch and three status LEDs
Configuration	Software configured; no DIP switches or jumpers

Acceptance Path

1 IDENTITY

The complete IC697CPU772 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 GE IC697CPU772 marking and installed revision.	What processor does GE IC697CPU772 use?	It uses a 12 MHz 80C186 processor with floating-point math support.
2	Confirm the documented Series 90-70 rack position and compatible companion hardware.	How much memory can GE IC697CPU772 support?	It supports up to 512K of battery-backed CMOS memory with the approved expansion board.
3	Back up the approved controller, network or channel configuration before removal.	Which GE IC697CPU772 memory boards are documented?	The data sheet identifies 64K, 128K, 256K and 512K options.
4	De-energize the system and follow the current manufacturer service procedure before handling hardware.	How much discrete I/O can GE IC697CPU772 support?	It supports up to 2K inputs and outputs in any mix.
5	Label every field, communication, common, shield and protective-ground connection.		
6	Do not substitute a neighbouring catalog number without documented engineering approval.		
7	Restore the exact configuration and verify normal module and system diagnostics.		
8	Complete a controlled model-specific functional test before production release.		

Related Products on Apter Power

MODEL	APTER POWER PAGE
EPRO PR6423-018-140-CON021	View EPRO PR6423-018-140-CON021
EPRO PR6423-01K-010	View EPRO PR6423-01K-010
EPRO PR6424-014-140-CON021	View EPRO PR6424-014-140-CON021
EPRO PR6426-010-040-CON021-916-120	View EPRO PR6426-010-040-CON021-916-120
Allen-Bradley 1203-GD1	View Allen-Bradley 1203-GD1
Allen-Bradley 1203-GH6	View Allen-Bradley 1203-GH6

FAQ, Related Products and Sources

QUESTION	ANSWER
Does GE IC697CPU772 use hardware configuration switches?	No. It is software configured and has no DIP switches or configuration jumpers.
What must be recorded before replacing GE IC697CPU772?	Record the complete GE IC697CPU772 marking, installed revision, system position, connections and approved configuration before removal.
What confirms successful commissioning of GE IC697CPU772?	The exact GE IC697CPU772 identity, restored configuration, normal diagnostics and a controlled model-specific functional test must all agree with the approved record.

MANUFACTURER SOURCE RECORDS

GE Fanuc Expandable Floating Point CPU Data Sheet - GFK-0588E, IC697CPU772 features and specifications
GE Fanuc Expandable Floating Point CPU Data Sheet - GFK-0588E, IC697CPU772 features and specifications

Related Products on Apter Power

MODEL	APTER POWER PAGE
Allen-Bradley 1305-BA01A-HA2	View Allen-Bradley 1305-BA01A-HA2
Allen-Bradley 1305-BA03A	View Allen-Bradley 1305-BA03A
Allen-Bradley 1336-L4-42336-200-51	View Allen-Bradley 1336-L4-42336-200-51
Allen-Bradley 1336-PB-SP23C	View Allen-Bradley 1336-PB-SP23C
Allen-Bradley 1336-PB-SP5A	View Allen-Bradley 1336-PB-SP5A
Allen-Bradley 1336-QOUT-SP19A	View Allen-Bradley 1336-QOUT-SP19A
Allen-Bradley 1336T-LM1EN	View Allen-Bradley 1336T-LM1EN
Allen-Bradley 1336T-LM1EN-74103-015-52A-297346	View Allen-Bradley 1336T-LM1EN-74103-015-52A-297346
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