

INDUSTRIAL AUTOMATION PRODUCT

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.

IDENTITY	VERIFIED VALUE
Manufacturer	GE
Complete model	IC697CPU772
Product role	Series 90-70 Expandable Floating-Point CPU
System family	Series 90-70
Source record	GFK-0588E, IC697CPU772 features and specifications

DOCUMENT SCOPE

Model identity, official technical data, model-specific applications, precautions, FAQ and controlled acceptance records.

APTER POWER SALES TEAM

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IC697CPU772

Technical Specifications

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

ENGINEERING BOUNDARY

Use only the complete GE IC697CPU772 identity and the current manufacturer publication. Verify the installed revision, companion hardware, wiring and saved configuration before replacement or release.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Bently Nevada 128275-01E	View Bently Nevada 128275-01E
Bently Nevada 128275-01F-C2-A0130944-01	View Bently Nevada 128275-01F-C2-A0130944-01
Bently Nevada 128276-01E-C2-A0131151-01	View Bently Nevada 128276-01E-C2-A0131151-01
Bently Nevada 128718-01	View Bently Nevada 128718-01
Bently Nevada 129478-01	View Bently Nevada 129478-01
Bently Nevada 129525-0050-02	View Bently Nevada 129525-0050-02

System Role and Common Applications

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.

ACCEPTANCE DUTY

Confirm identity, interface, companion hardware, configured values and controlled functional response before release.

Engineering Precautions and FAQ

NO.	PRECAUTION
1	Verify the complete GE IC697CPU772 marking and installed revision.
2	Confirm the documented Series 90-70 rack position and compatible companion hardware.
3	Back up the approved controller, network or channel configuration before removal.
4	De-energize the system and follow the current manufacturer service procedure before handling hardware.
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.

QUESTION	ANSWER
What processor does GE IC697CPU772 use?	It uses a 12 MHz 80C186 processor with floating-point math support.
How much memory can GE IC697CPU772 support?	It supports up to 512K of battery-backed CMOS memory with the approved expansion board.
Which GE IC697CPU772 memory boards are documented?	The data sheet identifies 64K, 128K, 256K and 512K options.
How much discrete I/O can GE IC697CPU772 support?	It supports up to 2K inputs and outputs in any mix.

Related Products on Apter Power

MODEL	APTER POWER PAGE
NI PCI-5122	View NI PCI-5122
NI PCI-8361	View NI PCI-8361
NI PCIE-8361	View NI PCIE-8361
NI PXIE-8360	View NI PXIE-8360
Bently Nevada 130530-0050-02	View Bently Nevada 130530-0050-02
Bently Nevada 130539-14	View Bently Nevada 130539-14

FAQ, Related Products and Official 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.

MODEL	APTER POWER PAGE
Bently Nevada 130539-15	View Bently Nevada 130539-15
Bently Nevada 130539-17	View Bently Nevada 130539-17
Bently Nevada 130539-20	View Bently Nevada 130539-20
Bently Nevada 130539-30	View Bently Nevada 130539-30
Bently Nevada 130539-34	View Bently Nevada 130539-34
Bently Nevada 130539-35	View Bently Nevada 130539-35

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

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