

IC697CPU782

Series 90-70 Expandable Floating-Point CPU

GE IC697CPU782 is the documented Series 90-70 Expandable Floating-Point CPU for the Series 90-70 PLC.

IDENTITY	VERIFIED VALUE
Manufacturer	General Electric
System family	Series 90-70 PLC
Part number	IC697CPU782
Product role	Provides the documented series 90-70 expandable floating-point cpu function
Lifecycle	Installed product record

DOCUMENT SCOPE

Exact-article identity, technical data, host role, installation checks, applications, precautions and engineering verification.

MODEL-SPECIFIC ENGINEERING NOTE

Install IC697CPU782 only in the documented Series 90-70 PLC position. Preserve the as-found terminal mapping and configuration, then verify diagnostics and the affected field function under controlled conditions.

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IC697CPU782

Technical Specifications

Technical values below are limited to the named General Electric product record and directly applicable manufacturer documentation.

PARAMETER	VALUE	PARAMETER	VALUE
Processor	16 MHz 80386DX	Rack slots	One
Boolean execution	0.4 us per function	Supported I/O	IC660, IC661 and IC697
Discrete I/O	12K any mix	User memory options	128, 256 or 512 KB CMOS; 256 KB flash plus 256 KB CMOS
Analog I/O	Up to 8K	Backplane	VME C.1

Verified Product Record

DATA GROUP	VERIFIED VALUE
Installed host / carrier	Series 90-70 PLC
Primary system role	Provides the documented series 90-70 expandable floating-point cpu function
Connection boundary	Install IC697CPU782 only in the documented Series 90-70 PLC position. Preserve the as-found terminal mapping and configuration, then verify diagnostics and the affected field function under controlled conditions.
Controlled acceptance duty	Series 90-70 PLC station maintenance

ENGINEERING BOUNDARY

Confirm IC697CPU782, host, terminals, power grouping, point map and controlled test results before release.

Pre-Installation Checks

- 1

Confirm the full IC697CPU782 catalog marking and installed Series 90-70 PLC position before work.
- 2

Isolate the station supply and connected field energy using the approved procedure.
- 3

Record every terminal, common, shield, connector and configured point before removal.
- 4

Use ESD controls and protect backplane, terminal and connector contacts from contamination.

Documented Service Record

RECORD ITEM	REQUIRED ENTRY
As-found article	IC697CPU782
Installed host	Series 90-70 PLC
Connection record	Capture before removal
Controlled release	Diagnostics and functional proof

System Role and Architecture

GE IC697CPU782 is the documented Series 90-70 Expandable Floating-Point CPU for the Series 90-70 PLC.

FUNCTION 1
Provides the documented series 90-70 expandable floating-point cpu function

FUNCTION 2
Uses exact catalog identity IC697CPU782 for replacement control

FUNCTION 3
Integrates with the matched Series 90-70 PLC hardware

FUNCTION 4
Supports controlled connection checks and functional verification

Matched System Components

NO.	DOCUMENTED COMPONENT / ROLE
1	Series 90-70 PLC
2	0.4 us per function
3	Series 90-70 PLC station maintenance
4	Install IC697CPU782 only in the documented Series 90-70 PLC position. Preserve the as-found terminal mapping and configuration, then verify diagnostics and the affected field function under controlled conditions.

System Integration Record

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	Series 90-70 PLC
Interface role	Provides the documented series 90-70 expandable floating-point cpu function
Field / power context	The component is used with the exact terminal assembly, carrier, power grouping and bus configuration identified for IC697CPU782. Commissioning preserves the installed point map and verifies controlled field response.
Commissioning evidence	Complete a controlled signal or load test before returning the station to service.

Installation and Connection Checks

1

Verify each documented value for IC697CPU782 against the installed host and field circuit.

2

Restore the approved terminal assembly, power grouping and configuration record.

3

Energize in the prescribed sequence and review module, bus and point diagnostics.

4

Complete a controlled signal or load test before returning the station to service.

MANUFACTURER SOURCE RECORD

Series 90-70 Programmable Controller Data Sheet Manual
GFK-0600F

Applications and Engineering Context

Series 90-70 PLC station maintenance

Restores the documented series 90-70 expandable floating-point cpu function in an engineered station.

Distributed I/O refurbishment

Uses exact IC697CPU782 identity when rebuilding the recorded field interface.

Control-panel modernization

Preserves the approved terminal, power and communications arrangement during migration work.

Controlled recommissioning

Verifies point mapping, diagnostics and field response before process release.

TECHNICAL NOTE

Install IC697CPU782 only in the documented Series 90-70 PLC position. Preserve the as-found terminal mapping and configuration, then verify diagnostics and the affected field function under controlled conditions.

Model-Specific Acceptance Evidence

CHECK	ACCEPTANCE CONDITION
Identity	IC697CPU782 recorded
Host / carrier	Series 90-70 PLC
Physical interface	Provides the documented series 90-70 expandable floating-point cpu function
Configuration	Energize in the prescribed sequence and review module, bus and point diagnostics.
Functional proof	Complete a controlled signal or load test before returning the station to service.

IMPORTANT NOTICE

Confirm IC697CPU782, host, terminals, power grouping, point map and controlled test results before release.

Controlled Release Summary

RELEASE ITEM	MODEL-SPECIFIC CONDITION
Article identity	IC697CPU782
Approved role	Series 90-70 PLC station maintenance
Final validation	Complete a controlled signal or load test before returning the station to service.

Engineering Precautions

- 1

Confirm the full IC697CPU782 catalog marking and installed Series 90-70 PLC position before work.
- 2

Isolate the station supply and connected field energy using the approved procedure.
- 3

Record every terminal, common, shield, connector and configured point before removal.
- 4

Use ESD controls and protect backplane, terminal and connector contacts from contamination.
- 5

Verify each documented value for IC697CPU782 against the installed host and field circuit.
- 6

Restore the approved terminal assembly, power grouping and configuration record.
- 7

Energize in the prescribed sequence and review module, bus and point diagnostics.
- 8

Complete a controlled signal or load test before returning the station to service.

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
8811-IO-DC	product page	View 8811-IO-DC page
DS200TCEAG1BSF	product page	View DS200TCEAG1BSF page
IC693MDL741C	product page	View IC693MDL741C page
IS215WEPAH2B	product page	View IS215WEPAH2B page
IS215AEPCH2F	product page	View IS215AEPCH2F page
IS210AEBIH3B	product page	View IS210AEBIH3B page
IS200STCIH2AED	product page	View IS200STCIH2AED page
IC693PWR331D	product page	View IC693PWR331D page

MANUFACTURER SOURCE RECORD

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