

IC697CPU782

Series 90-70 Expandable Floating-Point CPU

GE IC697CPU782 is a Series 90-70 Expandable Floating-Point CPU for the Series 90-70 PLC. It provides the documented field interface or control function in the configured system.

BRAND	General Electric	FAMILY	Series 90-70 PLC
PART	IC697CPU782	SYSTEM ROLE	Provides the documented series 90-70 expandable floating-point cpu function

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IC697CPU782

MANUFACTURER SOURCE RECORD

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

Product Overview

SYSTEM FUNCTION

GE IC697CPU782 is a Series 90-70 Expandable Floating-Point CPU for the Series 90-70 PLC. It provides the documented field interface or control function in the configured system.

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

System Components

COMPONENT	DOCUMENTED ROLE
Host / carrier	Series 90-70 PLC
Primary interface	Provides the documented series 90-70 expandable floating-point cpu function
Engineering 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 duty	Complete a controlled signal or load test before returning the station to service.

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.

Technical Data

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

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
IS200STCIH2AED	product page	View IS200STCIH2AED page
IC693PWR331D	product page	View IC693PWR331D 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

ENGINEERING BOUNDARY

Confirm IC697CPU782, Series 90-70 PLC host, hardware revision, terminal or connector type, power and signal ranges, wiring, grounding, bus configuration, companion accessories and controlled commissioning results before service release.

Applications and Precautions

Common Applications

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.

Product 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.

IMPORTANT NOTICE

Confirm IC697CPU782, Series 90-70 PLC host, hardware revision, terminal or connector type, power and signal ranges, wiring, grounding, bus configuration, companion accessories and controlled commissioning results before service release.

ACCEPTANCE CHECK	REQUIRED EVIDENCE
Identity	IC697CPU782
Configuration	Energize in the prescribed sequence and review module, bus and point diagnostics.
Functional release	Complete a controlled signal or load test before returning the station to service.

Engineer FAQ

Q1 How is IC697CPU782 identified?

Match the complete catalog number and the Series 90-70 Expandable Floating-Point CPU designation.

Q3 What records are retained before removing IC697CPU782?

Record terminals, commons, shields, connectors, point mapping and diagnostics.

Q5 Which official values govern IC697CPU782?

Processor: 16 MHz 80386DX; Boolean execution: 0.4 us per function; Discrete I/O: 12K any mix; Analog I/O: Up to 8K.

Q7 Which diagnostics follow IC697CPU782 energization?

Review module, bus and channel status in the prescribed startup sequence.

Q2 Which system accepts IC697CPU782?

Use the documented Series 90-70 PLC carrier, terminal and bus arrangement.

Q4 How is IC697CPU782 isolated safely?

Isolate station and field supplies, prove the safe state and apply ESD controls.

Q6 How is IC697CPU782 configuration restored?

Restore the approved hardware execution, power grouping and point map.

Q8 What releases IC697CPU782 to service?

A controlled signal or load test with the expected field response and no active diagnostic.

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