

IC697CPX772

Series 90-70 96 MHz CPU with 512 KB memory

PLC program execution, discrete/analog I/O and serial communications

PRODUCT SNAPSHOT

BRAND

General Electric

FAMILY

GE Fanuc Series 90-70 PLC

PART

IC697CPX772

ORIGIN / HS

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PRODUCT OVERVIEW

PLC program execution, discrete/analog I/O and serial communications

1

Uses a ninety-six-megahertz 80486DX4 processor

2

Provides 512 KB battery-backed user memory

3

Supports up to 2,048 discrete I/O points

4

Integrates three serial communication ports

SYSTEM COMPONENTS

IC697 PLC rack

IC697 and Genius I/O

CPU battery

Logicmaster or compatible programming software

TECHNICAL NOTE

Back up the CPU program and configuration, record serial-port settings and battery condition, and validate I/O tables after controlled restart.

TECHNICAL DATA

PARAMETER	VALUE
Processor	80486DX4 at 96 MHz
User memory	512 KB battery-backed RAM
Flash memory	256 KB nonvolatile
Boolean execution	0.4 us per Boolean function

PARAMETER	VALUE
Discrete I/O	Up to 2,048 points
Analog I/O	Up to 8,000 words
Serial ports	3
Rack occupancy	1 slot

ENGINEERING NOTE

Back up the CPU program and configuration, record serial-port settings and battery condition, and validate I/O tables after controlled restart.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
Bently Nevada 84661-55	Related industrial automation product	View Bently Nevada 84661-55 page
Bently Nevada 330880-00-00-000-03-02	Related industrial automation product	View Bently Nevada 330880-00-00-000-03-02 page
Bently Nevada 330101-00-60-90-01-05	Related industrial automation product	View Bently Nevada 330101-00-60-90-01-05 page
Bently Nevada 330104-11-25-10-02-00	Related industrial automation product	View Bently Nevada 330104-11-25-10-02-00 page
Bently Nevada 330102-04-25-10-02-00	Related industrial automation product	View Bently Nevada 330102-04-25-10-02-00 page
Bently Nevada 330910-00-07-05-02-CN	Related industrial automation product	View Bently Nevada 330910-00-07-05-02-CN page
Bently Nevada 330910-00-07-05-02-05	Related industrial automation product	View Bently Nevada 330910-00-07-05-02-05 page
ABB 3HAC5954-1	Related industrial automation product	View ABB 3HAC5954-1 page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Large machine sequence control

Uses a ninety-six-megahertz 80486DX4 processor

Genius distributed I/O coordination

Provides 512 KB battery-backed user memory

High-capacity process logic

Supports up to 2,048 discrete I/O points

Series 90-70 CPU replacement

Integrates three serial communication ports

PRODUCT PRECAUTIONS

- 1 Verify the complete IC697CPX772 marking and its assigned GE Fanuc Series 90-70 PLC position before work.
- 2 Place the connected large machine sequence control process in the approved maintenance state.
- 3 Isolate applicable power and plc program execution, discrete/analog i/o and serial communications field energy before disconnecting conductors.
- 4 Record connector, conductor, address, firmware and software identities before removal.
- 5 Use ESD controls and protect keyed interfaces, exposed contacts and electronic assemblies.
- 6 Confirm the installed IC697 PLC rack and IC697 and Genius I/O against the approved project.
- 7 Restore power in a controlled sequence and review device, network and host diagnostics.
- 8 Prove the intended genius distributed i/o coordination function and retain the final test result.

ENGINEER FAQ

Q1 Does IC697CPX772 match IC697 PLC rack in a Large machine sequence control installation?

Verify the complete IC697CPX772 marking, the documented GE Fanuc Series 90-70 PLC position and the installed IC697 PLC rack before fitting the assembly.

Q2 How should IC697CPX772 be wired when it must uses a ninety-six-megahertz 80486dx4 processor?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for IC697CPX772; then continuity-test the affected path.

Q3 Which GE Fanuc Series 90-70 PLC records should be captured before removing IC697CPX772?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with IC697CPX772 before disconnection.

Q4 What controlled test confirms that IC697CPX772 can provides 512 kb battery-backed user memory?

Apply the approved field or simulated stimulus, observe the GE Fanuc Series 90-70 PLC indication and confirm the intended response without bypassing the normal interlocks.

Q5 Which IC697 and Genius I/O condition should be checked when IC697CPX772 reports an abnormal state?

Check the IC697 and Genius I/O supply, seating and connection first, then compare channel diagnostics with the recorded IC697CPX772 baseline.

Q6 Can IC697CPX772 be moved directly into Genius distributed I/O coordination without validating Logicmaster or compatible programming software?

No. Confirm the Logicmaster or compatible programming software, revision, connection scheme and GE Fanuc Series 90-70 PLC configuration before transferring IC697CPX772 to that duty.

Q7 What maintenance evidence is required after IC697CPX772 is used for High-capacity process logic?

Retain the nameplate record, corrective action, final diagnostics and a controlled high-capacity process logic functional-test result for IC697CPX772.

Q8 How should IC697CPX772 be returned to service in Series 90-70 CPU replacement?

Restore power under control, verify supports up to 2,048 discrete i/o points, exercise the intended signal path and release IC697CPX772 only after the GE Fanuc Series 90-70 PLC remains in its approved operating state.

SOURCE GE Fanuc Series 90-70 CPU data sheet | GFK-1429; GFK-0600

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