

IC697CPU731

Series 90-70 12 MHz CPU

GE IC697CPU731 is a single-slot 12 MHz Series 90-70 CPU with 32K battery-backed CMOS memory. It supports documented discrete and analog I/O through the Series 90-70 VME rack system.

BRAND	GE	MODEL	IC697CPU731
PRODUCT	Series 90-70 12 MHz CPU	FAMILY	Series 90-70
OFFICIAL SOURCE	GE Fanuc Series 90-70 CPU Data Sheet	RECORD	GFK-0159J, IC697CPU731 features and specifications

DOCUMENT SCOPE

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

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Product Overview and Applications

SYSTEM FUNCTION

GE IC697CPU731 is a single-slot 12 MHz Series 90-70 CPU with 32K battery-backed CMOS memory. It supports documented discrete and analog I/O through the Series 90-70 VME rack system.

FUNCTION 1

Executes Series 90-70 control logic with a 12 MHz 80C186 processor

FUNCTION 2

Provides 32K of battery-backed CMOS user memory

FUNCTION 3

Supports up to 512 discrete points and 8K analog points

FUNCTION 4

Uses software configuration with a protected three-position operating switch

APPLICATION	ENGINEERING CONTEXT
Machine control	Executes documented Series 90-70 sequencing and interlock logic.
Process control	Coordinates approved analog and discrete I/O in a VME rack.
Legacy CPU service	Preserves program, configuration and rack-slot identity during replacement.
Controlled restart	Restores logic and I/O configuration before a staged run-mode test.

Technical Data and Acceptance

PARAMETER	VERIFIED VALUE
Product family	Series 90-70
Processor clock	12 MHz
Processor	80C186
User memory	32K battery-backed CMOS, fixed
Discrete I/O	Up to 512 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 position	Slot 1 of an IC697CHS rack
Programmer port	RS-422/485 compatible serial port
Operating control	Three-position mode switch with password access
Status indication	Three CPU status LEDs
Configuration	Software configured; no DIP switches or jumpers

Acceptance Path

1 IDENTITY

The complete IC697CPU731 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 IC697CPU731 marking and installed revision.	What processor does GE IC697CPU731 use?	It uses a 12 MHz 80C186 processor.
2	Confirm the documented Series 90-70 rack position and compatible companion hardware.	How much user memory does GE IC697CPU731 provide?	It provides 32K of fixed battery-backed CMOS user memory.
3	Back up the approved controller, network or channel configuration before removal.	How much discrete I/O can GE IC697CPU731 support?	The data sheet permits up to 512 inputs and outputs in any mix.
4	De-energize the system and follow the current manufacturer service procedure before handling hardware.	Where is GE IC697CPU731 installed?	It is a single-slot CPU installed in slot 1 of an IC697CHS rack.
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
Bently Nevada 102244-22-50-01	View Bently Nevada 102244-22-50-01
Bently Nevada 106765-04	View Bently Nevada 106765-04
Bently Nevada 106765-30	View Bently Nevada 106765-30
Bently Nevada 106M2686-01	View Bently Nevada 106M2686-01
Bently Nevada 107540-01A	View Bently Nevada 107540-01A
Bently Nevada 107770-02-02	View Bently Nevada 107770-02-02

FAQ, Related Products and Sources

QUESTION	ANSWER
How is GE IC697CPU731 configured?	It is software configured and has no DIP switches or configuration jumpers.
What must be recorded before replacing GE IC697CPU731?	Record the complete GE IC697CPU731 marking, installed revision, system position, connections and approved configuration before removal.
What confirms successful commissioning of GE IC697CPU731?	The exact GE IC697CPU731 identity, restored configuration, normal diagnostics and a controlled model-specific functional test must all agree with the approved record.

MANUFACTURER SOURCE RECORDS

GE Fanuc Series 90-70 CPU Data Sheet - GFK-0159J, IC697CPU731 features and specifications
GE Fanuc Series 90-70 CPU Data Sheet - GFK-0159J, IC697CPU731 features and specifications

Related Products on Apter Power

MODEL	APTER POWER PAGE
Bently Nevada 109548-01-P1407030-00100	View Bently Nevada 109548-01-P1407030-00100
Bently Nevada 125065-12	View Bently Nevada 125065-12
Bently Nevada 125704-01	View Bently Nevada 125704-01
Bently Nevada 125728-01	View Bently Nevada 125728-01
Bently Nevada 125736-01	View Bently Nevada 125736-01
Bently Nevada 125760-01	View Bently Nevada 125760-01
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