

INDUSTRIAL AUTOMATION PRODUCT

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.

IDENTITY	VERIFIED VALUE
Manufacturer	GE
Complete model	IC697CPU731
Product role	Series 90-70 12 MHz CPU
System family	Series 90-70
Source record	GFK-0159J, IC697CPU731 features and specifications

DOCUMENT SCOPE

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

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IC697CPU731

Technical Specifications

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

ENGINEERING BOUNDARY

Use only the complete GE IC697CPU731 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
GE 151X1233DB02SA02	View GE 151X1233DB02SA02
GE 151X1235BC01SA41	View GE 151X1235BC01SA41
GE 269PLUS-100P-120	View GE 269PLUS-100P-120
GE 531X111PSHAPG3	View GE 531X111PSHAPG3
GE 531X111PSHARG1	View GE 531X111PSHARG1
GE 8021-CE-LH	View GE 8021-CE-LH

System Role and Common Applications

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.

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 IC697CPU731 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 IC697CPU731 use?	It uses a 12 MHz 80C186 processor.
How much user memory does GE IC697CPU731 provide?	It provides 32K of fixed battery-backed CMOS user memory.
How much discrete I/O can GE IC697CPU731 support?	The data sheet permits up to 512 inputs and outputs in any mix.
Where is GE IC697CPU731 installed?	It is a single-slot CPU installed in slot 1 of an IC697CHS rack.

Related Products on Apter Power

MODEL	APTER POWER PAGE
GE 8810-HI-TX-01	View GE 8810-HI-TX-01
GE 8811-IO-DC	View GE 8811-IO-DC
GE 8851-LC-MT	View GE 8851-LC-MT
GE DS200TCEAG1BSF	View GE DS200TCEAG1BSF
GE IC600BF843	View GE IC600BF843
GE IC693ALG391	View GE IC693ALG391

FAQ, Related Products and Official 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.

MODEL	APTER POWER PAGE
GE IC693ALG391G	View GE IC693ALG391G
GE IC693CMM321-KM	View GE IC693CMM321-KM
GE IC693MDL742	View GE IC693MDL742
GE IC694ALG221A	View GE IC694ALG221A
GE IC694MDL645A	View GE IC694MDL645A
GE IC694MDL645D	View GE IC694MDL645D

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

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