

Installation Identity and Scope

GE IC698CPE010 is a 300 MHz PACSystems RX7i CPU with 10 MB of battery-backed user memory, 10 MB of nonvolatile flash memory and integrated Ethernet and serial communications. It executes RX7i control logic and coordinates supported Series 90-70 I/O and VME modules.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	IC698CPE010
Manufacturer	GE
Hardware type	PACSystems RX7i 300 MHz CPU
System family	PACSystems RX7i
Official source	GE Intelligent Platforms publication GFK-2244AG, February 2012; CPU Reference Manual GFK-2222

CONTROLLED ENGINEERING COPY

Record the IC698CPE010 firmware, rack slot, Ethernet settings, serial-port assignments and application checksum before replacement. Restore the approved hardware configuration and prove I/O, communications and control logic before releasing the RX7i system.

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IC698CPE010

Pre-Installation Plan

NO.	REQUIRED ACTION
1	Verify IC698CPE010, firmware revision and rack-slot assignment before work.
2	Back up the application, hardware configuration, reference memory and Ethernet settings.
3	Place the controlled process in the approved safe state before stopping the CPU.
4	Use a fan tray when the ambient operating temperature can exceed 50 °C.
5	Record both Ethernet-port connections, IP parameters and switch path before removal.

Matched Hardware

CONTROL ITEM	REQUIRED RECORD
Identity	IC698CPE010
Physical interface	PACSystems RX7i rack and supported power supply
Companion check	Configured Series 90-70 I/O or VME modules
Configuration	Approved RX7i hardware configuration and application
Functional proof	I/O, network and controlled process test

RELEASE HOLD POINT

Do not disturb the installed device until the exact marking, connections, companion hardware and configured function are documented.

Wiring and Interface Checks

CHECK	MODEL-SPECIFIC REQUIREMENT
Rack and slot	Confirm the documented RX7i rack position and backplane condition.
Power budget	Verify +5 V and ±12 V loading against the installed power supply.
Ethernet ports	Record both RJ45 connections, IP addressing and connected switch paths.
Serial ports	Record isolated RS-485, RS-232 and station-manager pin assignments.
I/O compatibility	Confirm every Series 90-70 I/O and VME module is supported by the selected firmware.
Memory	Back up user RAM, flash content and configured %W allocation.
Cooling	Confirm fan-tray operation for ambient service above 50 °C.
Clock and network	Verify SNTP, EGD exchanges and required host sessions after startup.

CONFIGURATION BOUNDARY

Record the IC698CPE010 firmware, rack slot, Ethernet settings, serial-port assignments and application checksum before replacement. Restore the approved hardware configuration and prove I/O, communications and control logic before releasing the RX7i system.

Expected Technical Values

PARAMETER	VALUE
Processor	300 MHz Celeron
Battery-backed user memory	10 MB
Nonvolatile flash user memory	10 MB
Configurable %W memory	Up to 4 MB

Commissioning and Acceptance

TEST	ACCEPTANCE CONDITION
Identity	IC698CPE010, firmware and rack position are recorded.
Configuration	Hardware configuration and application checksum match the approved record.
Communications	Ethernet and serial services operate without unexplained faults.
Functional proof	I/O scan and controlled logic test pass before process release.

Technical Questions to Resolve

QUESTION	ENGINEERING ANSWER
What processor is used by GE IC698CPE010?	IC698CPE010 uses a 300 MHz Celeron processor.
How much user memory does GE IC698CPE010 provide?	It provides 10 MB of battery-backed user RAM and 10 MB of nonvolatile flash user memory.
How many Ethernet ports are built into GE IC698CPE010?	The CPU provides two switched RJ45 ports supporting 10BASE-T and 100BASE-TX.
Which Ethernet services are documented for GE IC698CPE010?	The official information lists SRTP, Ethernet Global Data and Modbus TCP server/client services.

Source, Related Products and Release

MODEL	APTER POWER PAGE
ic693cmm302	View ic693cmm302
ic693cpu311	View ic693cpu311
ic693dnm200-bc	View ic693dnm200-bc
ic693mdl655	View ic693mdl655
ic693mdl741	View ic693mdl741
ic693mdl741c	View ic693mdl741c
ic693mdl741g	View ic693mdl741g
ic693mdr390	View ic693mdr390

MANUFACTURER SOURCE RECORD

PACSystems RX7i CPE010/CPE020 Important Product Information
GE Intelligent Platforms publication GFK-2244AG, February 2012; CPU Reference Manual GFK-2222

Controlled Release Summary

RELEASE ITEM	REQUIRED EVIDENCE
Identity	IC698CPE010 recorded
Interface	Connections and companion hardware verified
Configuration	Installed values agree with approved record
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