

GENERAL ELECTRIC PACSYSTEMS RX3i**IC695PNC001****PACSystems RX3i PROFINET Controller**

General Electric IC695PNC001 is a rack-based PACSystems RX3i PROFINET controller for local and remote industrial I/O networks.

Verified technical data

Field	Officially documented value
Module role	Rack-based intelligent PROFINET controller in the host RX3i CPU rack
Maximum per CPU	Up to four IC695PNC001 modules in one RX3i CPU system
PROFINET specification	PROFINET IO Version 2.2
Network speeds	100 Mbit/s and 1 Gbit/s for PROFINET communications
Media	Copper and fiber network media supported through documented interfaces
Device support	Emerson PACSystems and compatible third-party PROFINET devices
Remote I/O role	Controls PROFINET I/O devices and exchanges cyclic input/output data
MRP	Media Redundancy Protocol support depends on hardware suffix and firmware
Process alarms	Supported on IC695PNC001-Bxxx firmware 3.30 with compatible CPU firmware
Asynchronous RDO	Read/write COMMREQ support on Bxxx firmware 3.30 with compatible CPU firmware

Selection and replacement checkpoints

- The module operates in the host RX3i CPU rack, manages configured PROFINET devices, and returns field inputs while applying controller outputs across the network.
- Before installation or replacement, verify the complete Axxx or Bxxx suffix, firmware compatibility, CPU release, GSDML files, device names, IP plan, media, topology, and stored hardware configuration.
- IC695PNC001 replacement requires the exact Axxx or Bxxx suffix, matching PNC and CPU firmware, GSDML files, device names, IP addressing, network media, MRP settings, and saved PAC Machine Edition configuration.

Documented applications

- Distributed I/O for mission-critical discrete automation
- Process-control systems using PACSystems PROFINET remote I/O
- Industrial networks combining PACSystems and compatible third-party PROFINET devices

Important selection note

Confirm the complete IC695PNC001 catalog identity, hardware suffix where present, firmware, compatible RX3i platform, connected equipment, wiring, and saved configuration before installation or replacement.