



# Conversion Rack

Plug-and-Play conversions significantly improve upgrade success

GE Intelligent Platforms understands that equipment performance improvements are the primary goal of system upgrades. We leverage industry standards and our own considerable experience in automation to deliver long-life, higher performance solutions that are easy to configure, manage and upgrade.

To enable this strategy, GE has developed a Conversion Rack that customers can leverage in order to perform “plug-and-play” upgrades of their current Series 90-70 PLC\* systems to the PACSystems RX3i, with its industry-leading innovation, performance and reliability characteristics.

The Conversion Rack is one of several innovative solutions that GE has created to enable ease of migration for customers who wish to upgrade legacy systems to modern technologies. These tools enable reduced conversion risk along with instantaneous performance improvement and connectivity to the Industrial Internet.

## Upgrade performance without loss of uptime

GE’s Conversion Rack provides a very simple migration path to upgrade legacy Series 90-70 PLCs to high-performance control solutions with best-in-class integration of distributed (networked) I/O that is ideally suited for demanding applications.

The Conversion Rack compliments the capabilities of the PROFINET-enabled GE solution with the addition of a comprehensive line of plug-and-play conversion I/O that allows customers to simplify the change-out from Series 90-70 I/O to RX3i PROFINET I/O without rewiring the I/O field terminals.

## Save time and money

The Conversion Rack addresses the challenges of performing upgrades to existing Series 90-70 controls by limiting the impact to a customer’s current production schedule and reducing the high cost of field rewiring and control panel modifications.

The flexible nature of the Conversion Rack enables a customer to stage migrations under their defined project plan by individually replacing sections. This reduces the bottom line to implement upgrade changes and raises the success rate.

Conversion Rack wiring mistakes are virtually eliminated by letting GE provide pre-engineered wiring solutions that will save you time during the design, change-out and commissioning phases of the upgrade project. Upgrade in hours, not days!

FEATURE	BENEFIT
Ease of conversion	Matches Series 90-70 footprint—no drilling inside of enclosure required (rack depth with RX3i is 10.8" vs. 90-70 at 9.5")
Transition I/O wiring	Designed to remount 90-70 field terminals—no hand wiring is required, which decreases downtime and improves commissioning
Pre-engineered I/O solutions	Reduced development time—with 37 available I/O configurations, GE offers the best match available to meet the installed specifications
Configurable backplanes	Flexible design—enables “right-sizing” of the RX3i backplanes which results in minimum installation cost and panel space (7-, 12- and 16-slot)
Rugged design	Rugged design—provides an easy and secure installation (UL and CE compliant)
Affordable alternative	Financially smart—eliminates 50% or more of upgrade labor costs



\* Conversion Rack can accommodate 90-70 I/O cards on RX7i Frame.

# Conversion Rack provides a flexible alternative to rewiring a controller.

## Powerful Solution

The Conversion Rack's innovative design enables Series 90-70 field signals to be passed from Series 90-70 field wiring connections to the RX3i control system to deliver the RX3i's expanded performance capabilities in the same panel space.

## Flexible backplane configurations

- 7-slot
- 12-slot
- 16-slot
- Mechanical details available in GFK-2792

## More than 30 plug-and-play I/O solutions available in GFK-2793

- AC and DC I/O
- Relay outputs
- Analog I/O
- Accommodate for 90-70 I/O density

## User-Friendly Design

- Uses existing Series 90-70 mount holes
- Easy access to RX3i programming ports
- Fold-down door provides access to field wiring
- Easy-to-read LED Status

## Global Standards

- CE, UL, CUL, ATEX approved
- Meets the same testing criteria as Series 90-70 and RX3i controllers

## Specialty Harnesses Available

- Catalog IC695CRH001 to 039 (specifications available in GFK-2793)
- Assembled under ISO9001, UL, and WHMA A-620 standards
- Custom lengths can be requested to address customer needs



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## Ordering Information

<b>IC695ACC650</b>	(Series 90-70 to RX3i conversion rack)
<b>IC695ACC651</b>	(Series 90-70 to RX3i Adapter Card)
<b>IC695CRH001 to 039</b>	(Conversion Rack Harness Assembly)

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The Conversion Rack is part of GE Intelligent Platform's High Performance Platform strategy which leverages industry standards plus the combination of our experience in embedded technology and automation to deliver long-life higher performance solutions that are easy to configure, manage and upgrade. Contact our local representative or e-mail [ccs.modernization.com](mailto:ccs.modernization.com) for more information about GE's solutions for your I/O requirements.

## GE Intelligent Platforms Contact Information

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