

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

GE PACSYSTEMS RX3i

IC695CHS016-EA

16-SLOT UNIVERSAL BACKPLANE

Used with the applicable PACSystems RX3i backplanes configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: GE official manufacturer documentation

Section 3: Backplanes

This section describes the types of backplane that can be included in an RX3i system:

Backplane Type	Catalog Number	Section
7-Slot RX3i Universal Backplane	IC695CHS007	3.1
12-Slot RX3i Universal Backplane	IC695CHS012	3.1
16-Slot RX3i Universal Backplane	IC695CHS016	3.1
5-Slot RX3i Serial Expansion Backplane	IC694CHS398	3.2
10-Slot RX3i Serial Expansion Backplane	IC694CHS392	3.2
5-Slot Series 90-30 Expansion Backplane	IC693CHS398 ⁵	
10-Slot Series 90-30 Expansion Backplane	IC693CHS392 ⁵	
5-Slot Series 90-30 Remote Backplane	IC693CHS399 ⁵	
10-Slot Series 90-30 Remote Backplane	IC693CHS393 ⁵	

3.1 RX3i Universal Backplanes: IC695CHS007, IC695CHS012, IC695CHS016

Three Universal Backplanes are available for RX3i PACSystems:

- the 7-slot IC695CHS007,
- the 12-slot IC695CHS012, displayed in Figure 57 below, and
- the 16-slot IC695CHS016.

⁵ For information about the IC693 Series 90-30 Expansion and Remote Backplanes, refer to the *Series 90-30 PLC Installation Manual*, GFK-0356.

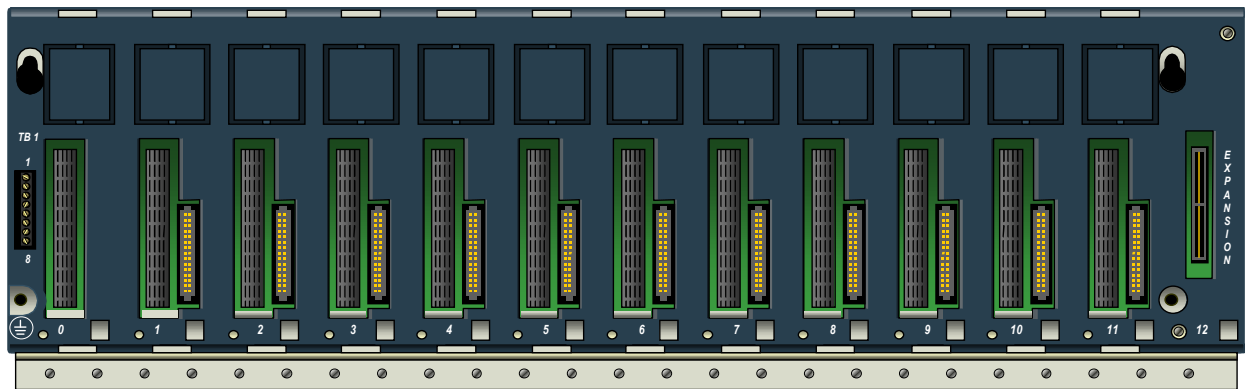


Figure 57: 12-Slot RX3i Universal Backplane IC695CHS012

The RX3i Universal Backplane supports both PCI (IC695) and serial (IC694) I/O and option modules with its dual-bus backplane. The RX3i Universal Backplane also supports 90-30 IO and option modules. Refer to Section 1.3 for supported modules and to Section **Error! Reference source not found.** for **Error! Reference source not found.**

RX3i modules (IC695 catalog numbers) communicate over the backplane PCI bus.

RX3i modules (IC694 catalog numbers) and Series 90-30 modules (IC693) communicate over the backplane serial bus.

3.1.1 RX3i Universal Backplane Features

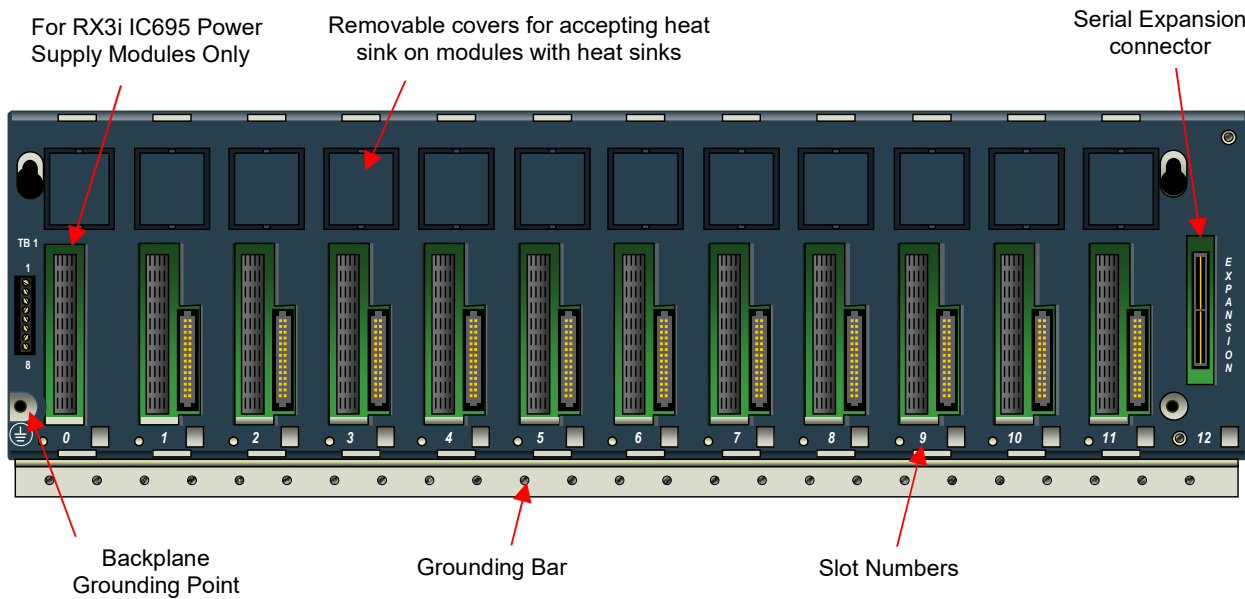


Figure 58: Features of RX3i Universal Backplanes

RX3i Universal Backplane features include:

- Terminal Strip on the left (Figure 58) for Isolated +24Vdc input.
- Backplane grounding point as described in Section 0.
- An integral grounding bar for connecting module/shield grounds as described in Section 2.5.5.
- Removable covers that, when knocked out, allow heat sinks on modules equipped with heat sinks to be inserted.
- Serial Expansion connector for connection (Figure 58, far right) to Serial Expansion and Remote Backplanes (12- and 16-slot models only).
- Slot numbers are printed on the backplane (Figure 58) and are used for reference for configuration in Proficy Machine Edition (PME). Slots and connectors are described on the following pages. Most modules occupy one slot. Some modules, such as CPUs and AC Power Supplies occupy two slots.