

IC695CHS016

PACSystems RX3i 16-Slot Universal Backplane

GE IC695CHS016 is a 16-slot PACSystems RX3i universal backplane. It mechanically supports the RX3i rack and distributes backplane power and PCI/serial communication paths among the controller, I/O and option modules.

PRODUCT SNAPSHOT

BRAND

GE

FAMILY

PACSystems RX3i Universal Backplanes

PART

IC695CHS016

ORIGIN / HS

USA / 8537101190

APTER POWER SALES TEAM

WHATSAPP / PHONE

+86 180 3023 5313

EMAIL

sales13@apterpower.com

WEBSITE

www.apterpower.com



PRODUCT OVERVIEW

GE IC695CHS016 is a 16-slot PACSystems RX3i universal backplane. It mechanically supports the RX3i rack and distributes backplane power and PCI/serial communication paths among the controller, I/O and option modules.

1

Carries both PCI-based IC695 traffic and serial IC693/IC694 I/O traffic

2

Provides sixteen documented positions for an engineered RX3i rack layout

3

Distributes backplane power, control and I/O communication among installed modules

4

Supports serial expansion through the dedicated right-end connection position

SYSTEM COMPONENTS

compatible RX3i head-end controller or PROFINET scanner

approved RX3i power supply

IC695 PCI modules and qualified IC693/IC694 serial modules

IC695LRE001 when serial expansion is required

TECHNICAL DATA

PARAMETER	VALUE
Backplane platform	PACSystems RX3i
Universal module positions	16 slots
Backplane buses	PCI and serial
Supported module families	IC695, IC693 and IC694
Isolated auxiliary input	+24 V terminal strip
Grounding facilities	Backplane grounding point and integral grounding bar
Expansion connection	Serial Expansion connector

PARAMETER	VALUE
Rightmost special position	IC695LRE001 only
Minimum ordinary-location enclosure	NEMA/UL Type 1 or IEC 60529 IP20
Pollution degree	2
Hazardous-location classification	Class I, Division 2, Groups A, B, C, D
ATEX installation	Zone 2, Group IIC, IP54 enclosure
Latest documented catalog revision	IC695CHS016-JC
Compatible head ends	IC695CPE330; IC695CPE302/305/310; IC695PNS001-Bxxx; IC695PNS101

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
IC695CHS016	PACSystems RX3i 16-slot universal backplane	View IC695CHS016 page
IC693CMM321	Series 90-30 Ethernet interface	View IC693CMM321 page
IC695ALG600	RX3i universal analog input	View IC695ALG600 page
IS200TRLYH1BED	GE relay output interface board	View IS200TRLYH1BED page
MIVII3000E00HI00	GE MIV II voltage and frequency relay	View MIVII3000E00HI00 page
IS215VPROH1BD	GE VPRO turbine protection board	View IS215VPROH1BD page
IC200UDR005-DJ	GE VersaMax micro PLC	View IC200UDR005-DJ page
IC695CPE305	RX3i CPE305 controller	View IC695CPE305 page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Sixteen-position RX3i central controller racks

Carries both PCI-based IC695 traffic and serial IC693/IC694 I/O traffic

Mixed PCI and serial I/O modernization projects

Provides sixteen documented positions for an engineered RX3i rack layout

PROFINET scanner head-end assemblies with local RX3i modules

Distributes backplane power, control and I/O communication among installed modules

Serial expansion and remote-backplane integration

Supports serial expansion through the dedicated right-end connection position

PRODUCT PRECAUTIONS

- 1 Verify the complete IC695CHS016 revision and the required controller or scanner firmware before rack assembly.
- 2 Install IC695CHS016 as open equipment inside the enclosure rating required for the operating location.
- 3 Isolate rack and field power before inserting, removing or rewiring any backplane-mounted module.
- 4 Bond the backplane grounding point and integral module/shield grounding bar to the cabinet grounding system.
- 5 Align IC695 module PCI connectors carefully and do not force a module into a damaged or misaligned slot.
- 6 Reserve the different rightmost connector position for IC695LRE001 when the serial-expansion function is used.
- 7 Confirm slot numbering, module types and power-supply placement against the approved RX3i hardware configuration.
- 8 After assembly, inspect connector engagement and prove controller, I/O and expansion-bus diagnostics before field energization.

ENGINEER FAQ

Q1 Does IC695CHS016 match compatible RX3i head-end controller or PROFINET scanner in a Sixteen-position RX3i central controller racks installation?

Verify the complete IC695CHS016 marking, the documented PACSystems RX3i Universal Backplanes position and the installed compatible RX3i head-end controller or PROFINET scanner before fitting the assembly.

Q3 Which PACSystems RX3i Universal Backplanes records should be captured before removing IC695CHS016?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with IC695CHS016 before disconnection.

Q5 Which approved RX3i power supply condition should be checked when IC695CHS016 reports an abnormal state?

Check the approved RX3i power supply supply, seating and connection first, then compare channel diagnostics with the recorded IC695CHS016 baseline.

Q7 What maintenance evidence is required after IC695CHS016 is used for PROFINET scanner head-end assemblies with local RX3i modules?

Retain the nameplate record, corrective action, final diagnostics and a controlled profinet scanner head-end assemblies with local rx3i modules functional-test result for IC695CHS016.

Q2 How should IC695CHS016 be wired when it must carries both pci-based ic695 traffic and serial ic693/ic694 i/o traffic?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for IC695CHS016; then continuity-test the affected path.

Q4 What controlled test confirms that IC695CHS016 can provides sixteen documented positions for an engineered rx3i rack layout?

Apply the approved field or simulated stimulus, observe the PACSystems RX3i Universal Backplanes indication and confirm the intended response without bypassing the normal interlocks.

Q6 Can IC695CHS016 be moved directly into Mixed PCI and serial I/O modernization projects without validating IC695LRE001 when serial expansion is required?

No. Confirm the IC695LRE001 when serial expansion is required, revision, connection scheme and PACSystems RX3i Universal Backplanes configuration before transferring IC695CHS016 to that duty.

Q8 How should IC695CHS016 be returned to service in Serial expansion and remote-backplane integration?

Restore power under control, verify distributes backplane power, control and i/o communication among installed modules, exercise the intended signal path and release IC695CHS016 only after the PACSystems RX3i Universal Backplanes remains in its approved operating state.