

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

GE PACSYSTEMS RX3I

IC695CPE310

CPE310 PROGRAMMABLE CONTROLLER

Used with the applicable PACSystems RX3i controllers configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: GE official manufacturer documentation

Feature	Benefit
High performance	■ Gigabit communications for faster, higher volume of data for analysis ■ Latest CPUs offer multi-core processors for reduced latency for more precise data or I/O control ■ Built-in Ethernet ports and switches reduce application complexity
Simplification	■ Store large amounts of data for better system statistics and analysis ■ Store application files right on the control for fast fingertip access to drawings, debug or startup information, operational notes, and more ■ Built-in Ethernet switches with media conversion capability reduce I/O wiring cost and installation time
Security	■ Encrypted communications through OPC UA secure access for trusted communications ■ Trusted Platform Modules (TPM) for hardware authentication ■ Digitally signed and encrypted firmware for confidence that updates are genuine ■ Achilles Level 2 certification ensures reliability
PROFINET distributed I/O connectivity	■ Open standard for high speed I/O connectivity ■ Support for Media Redundancy Protocol for robust operation ■ Replace devices without having to reconfigure them for improved uptime

Specifications



Part No.	IC695CPE302	IC695CPE305	IC695CPE310	IC695CPE400 / IC695CPL410	IC695CPE330
Form Factor	Backplane	Backplane	Backplane	Standalone	Backplane
User Memory	2MB	5MB	10MB	64MB	64MB
I/O	■ 16k Bits Discrete I/O ■ 32k Words for Analog I/O	■ 32k Bits Discrete I/O ■ 32k Words for Analog I/O	■ 32k Bits Discrete I/O ■ 32k Words for Analog I/O	■ 32k Bits Discrete I/O ■ 32k Words for Analog I/O	■ 32k Bits Discrete I/O ■ 32k Words for Analog I/O
Energy Pack	Included	Included	Included	Available	Available

	IC695CPE302	IC695CPE305	IC695CPE310	IC695CPE400 / IC695CPL410	IC695CPE330
Redundancy Support	■ Media Redundancy (MRP)*	■ Media Redundancy (MRP)*	■ Media Redundancy (MRP)*	■ Media Redundancy (MRP) ■ PROFINET System Redundancy (PNSR) ■ OPC UA Non-Transparent Server Redundancy	■ Media Redundancy (MRP) ■ PROFINET System Redundancy (PNSR) ■ OPC UA Non-Transparent Server Redundancy
Ethernet Port	■ 1- 10/100	■ 1- 10/100	■ 1- 10/100	■ 1- 10/100/1000 ■ 2- 10/100/1000 (2 switched ports)	■ 3- 10/100/1000 (2 switched ports)
Ethernet Protocols	■ SRTP Client/Server ■ Modbus TCP/IP ■ OPCUA ■ EGD ■ PROFINET* ■ DNP3 Outstation* ■ IEC-61850 Client* ■ IEC-104 Server* ■ HART passthrough	■ SRTP Client/Server ■ Modbus TCP/IP ■ OPCUA ■ EGD ■ PROFINET* ■ DNP3 Outstation* ■ IEC-61850 Client* ■ IEC-104 Server* ■ HART passthrough	■ SRTP Client/Server ■ Modbus TCP/IP ■ OPCUA ■ EGD ■ PROFINET* ■ DNP3 Outstation* ■ IEC-61850 Client* ■ IEC-104 Server* ■ HART passthrough	■ SRTP Client/Server ■ Modbus TCP/IP ■ OPCUA (Non-Transparent Server Redundancy) ■ EGD ■ PROFINET ■ DNP3 Outstation ■ HART passthrough	■ SRTP Client/Server ■ Modbus TCP/IP ■ OPCUA (Non-Transparent Server Redundancy) ■ EGD ■ PROFINET ■ DNP3 Outstation* ■ IEC-61850 Client* ■ IEC-104 Server* ■ HART passthrough
Serial Protocols	■ ASCII Serial ■ Modbus/RTU	■ ASCII Serial ■ Modbus/RTU	■ ASCII Serial ■ Modbus/RTU	■ ASCII Serial	■ ASCII Serial ■ Modbus/RTU*
Remote I/O Devices	■ 8 Simplex	■ 8 Simplex	■ 8 Simplex	■ 32 Simplex ■ 20 Redundant	■ 64 Simplex ■ 64 Redundant
USB Interface	1 USB-A 2.0	1 USB-A 2.0	1 USB-A 2.0	2 USB-A 2.0***	1 USB-A 2.0
Memory Card	-	-	-	Micro SD**	1 CFast**
Other Interface	■ 1 RS-232	■ 1 RS-232	■ 1 RS-232 ■ 1 RS-485	■ 1 RS-232	-
Environmental	0°C to 60°C (Optional -40°C to +60°C)	0°C to 60°C (Optional -40°C to +60°C)	0°C to 60°C (Optional -40°C to +60°C)	-40°C to 70°C	0°C to 60°C
Agency Approvals	UL, cUL, RoHS, FCC, Reach, UL HazLoc C1D2, ATEX Zone 2	UL, cUL, RoHS, FCC, Reach, UL HazLoc C1D2, ATEX Zone 2	UL, cUL, RoHS, FCC, Reach, UL HazLoc C1D2, ATEX Zone 2	UL, cUL, RoHS, FCC, Reach, UL HazLoc C1D2, ATEX Zone 2	UL, cUL, RoHS, FCC, Reach, UL HazLoc C1D2, ATEX Zone 2
Marine	ABS, BV, DNV GL	ABS, BV, DNV GL	ABS, BV, DNV GL	ABS, BV, DNV GL	ABS, BV, DNV GL

Energy Pack provides power during power failure while data is written to NV RAM

*Requires additional and separate module

**Available later

***1 USB 2.0 for PREDIX / PACEdge, 1 USB 2.0 for PACSystems (available later)

Ordering Information

Part Number	Description
IC695CPE302	RX3i CPE302 Controller
IC695CPE302LT	RX3i CPE302 Controller, low temperature
IC695CPE305	RX3i CPE305 Controller
IC695CPE305CA	RX3i CPE305 Controller, conformal coated
IC695CPE305LT	RX3i CPE305 Controller, low temperature
IC695CPE310	RX3i CPE310 Controller
IC695CPE310CA	RX3i CPE310 Controller, conformal coated
IC695CPE310LT	RX3i CPE310 Controller, low temperature
IC695CPE330	RX3i CPE330 Controller
IC695CPE330CA	RX3i CPE330 Controller, conformal coated
IC695CPK330	RX3i CPE330 Controller with Energy Pack
IC695CPK330CA	RX3i CPE330 Controller with Energy Pack, conformal coated
IC695CPE330LT	RX3i CPE330 Controller, low temperature
IC695CPE400	RX3i CPE400 Controller
IC695CPE400CA	RX3i CPE400 Controller, conformal coated
IC695CPK400	RX3i CPE400 Controller with Energy Pack
IC695CPE400CA	RX3i CPE400 Controller, conformal coated
IC695CPL410	RX3i CPL410 Controller
IC695CKL410	RX3i CPE410 Controller with Energy Pack
IC695ACC402	Energy Pack for RX3i CPE330
IC695ACC402LT	Energy Pack for RX3i CPE330, low temperature
IC695ACC403	Energy Pack for RX3i CPE400/CPL410