



HVAC CONTROLS

RX3i

GE PLC Controller

HVAC CONTROLS

2

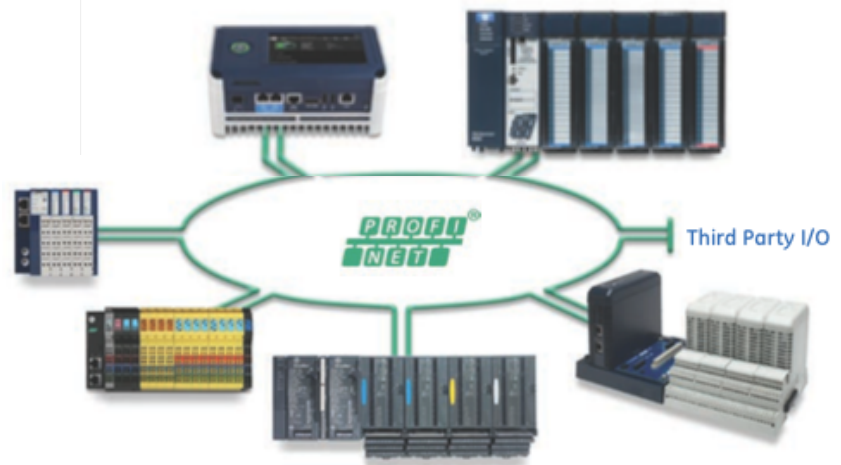
개요 :

The PACSystems* RX3i controller is an incredibly powerful Programmable Automation Controller (PAC) in the innovative PACSystems family. The RX3i features a single control engine and a universal programming environment to provide application portability across multiple hardware platforms and deliver a true convergence of control. With integrated critical control platforms, logic, motion, HMI, process control and high availability based on our Reflective Memory technology, the RX3i provides the performance and flexibility to give you an advantage. No matter the challenges your applications bring, PACSystems RX3i lets you take control.



주요 특징 :

- 증명된 산업용 컨트롤러
- 모듈 방식 디자인
- PCI Backplane
- 1GHz 프로세서로 64 Mb RAM 용량
- 100 bps Ethernet
- Local and Remote I/O
- 이중화 선택기능이 있음



Specification :

Device Addressing

eBUS address set via rotary switch

Connectors

Removable screw-type terminal connector for power

Wiring Class

Class 2 / SELV

Power

24 VAC/DC

3 VA 100 VA maximum with fully loaded modules†

†eBX supplies power for up to 8 I/O modules connected to the backplane

Ambient

0° to 55°C (32° to 131°F) 10-95% RH (non-condensing)

Dimensions

eBX-04*

5.0 x 5.7 x 4.0 in. (12.6 x 14.4 x 10 cm) 0.913 lb (414 g)

eBX-08*

5.0 x 9.3 x 4.0 in. (12.6 x 23.4 x 10 cm) 0.974 lb (442 g)

*Dimensions are for eBX package with associated backplane

Mounting

Backplane: Snap mount to standard 35 mm DIN rail

eBX: Snap mount to backplane and DIN rail assembly



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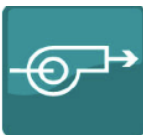
GE PLC Controller

RX3i Controller의 구성

2



	Part Number	Description
CPUs	IC695CPU320†	1 GHz CPU, 64 Mbytes of memory, two serial ports
	IC695CPU310†	300 MHz CPU, 10 Mbytes of memory, two serial ports (requires 2 slots)
Baseplates	C695CHS012	Universal Backplane, 12 Universal Slots
Baseplates	C695CHS012	Universal Backplane, 12 Universal Slots
Expansion Bases	IC693CHS393	Base, Remote Expansion, 10 Slots (700 ft.)
	IC694CHS392	Base, Expansion, 10 Slots
Universal Base Power Supplies	IC695PSA140	Multipurpose Power Supply, 120/240 VAC, 125 VDC 40 Watts
	IC695PSA040†	Power Supply, 120/240 VAC, 125 VDC, 40 Watts (requires 2 slots)
Remote Base Power Supplies	IC693PWR332	Power Supply, 12 VDC, Standard, 30 Watts (Use with Expansion Base)
Expansion Power Supplies	IC694PWR321	Power Supply, 120/240 VAC, 125 VDC, Standard, 30 Watts (Use with Expansion Base)
	IC694PWR330	Power Supply, 120/240 VAC, 125 VDC, High Capacity, 30 Watts (Use with Expansion Base)
	IC694PWR331	Power Supply, 24 VDC, High Capacity, 30 Watts (Use with Expansion Base)
Discrete Input Modules	IC694MDL230	120 VAC Isolated Input (8 Points)
	IC694MDL231	240 VAC Isolated Input (8 Points)
	IC694MDL240	120 VAC Input (16 Points)
	IC694MDL241	24 VAC/VDC Input (16 Points)
	IC694MDL250	120 VAC Isolated Input (16 Points)
	IC694MDL260	120 VAC Input (32 Points)**
	IC694MDL632	125 VDC Input (8 Points)
	IC694MDL310	120 VAC Output, 0.5 Amp (12 Points)
Discrete Output Modules	IC694MDL330	120/240 VAC Output, 1 Amp (8 Points)
	IC694MDL340	120 VAC Output, 0.5 Amp (16 Points)
	IC694MDL350	120/240 VAC Output, 2 Amp (16 Points)
	IC694MDL390	120/240 VAC Isolated Output, 2 Amp (5 Points)
	IC694MDL732	12/24 VDC Output, 0.5 Amp, Positive Logic (8 Points)
	IC694MDL734	125 VDC Output (6 Points)
Relay Output Modules	IC694MDL930	Relay Output, Isolated, 4 Amp (8 Points)
	IC694MDL931	Relay Output, 8 Amp Form B/C contacts, Isolated in 2 Groups of 4 (8 Points)



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2

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	Part Number	Description	Part Number	Description
CPUs	IC695CPU320†	1 GHz CPU, 64 Mbytes of memory, two serial ports	IC695CRU320†	Redundant High Availability bumpless 1 GHz CPU, 64 Mbytes of memory, two serial ports
	IC695CPU310†	300 MHz CPU, 10 Mbytes of memory, two serial ports (requires 2 slots)	IC695CMU310†	Redundant Hot Standby 300 MHz CPU, 10 Mbytes of memory, two serial ports
Baseplates	C695CHS012	Universal Backplane, 12 Universal Slots	IC695CHS016	Universal Backplane, 16 Universal Slots
Baseplates	C695CHS012	Universal Backplane, 12 Universal Slots	IC695CHS016	Universal Backplane, 16 Universal Slots
Expansion Bases	IC693CHS393	Base, Remote Expansion, 10 Slots (700 ft.)	IC694CHS398	Base, Expansion, 5 Slots
	IC694CHS392	Base, Expansion, 10 Slots	IC693CHS399	Base, Remote Expansion, 5 Slots (700 ft.)
Universal Base Power Supplies	IC695PSA140	Multipurpose Power Supply, 120/240 VAC, 125 VDC 40 Watts	IC695PSD140	Multipurpose Power Supply, 24 VDC, 40 Watts
	IC695PSA040†	Power Supply, 120/240 VAC, 125 VDC, 40 Watts (requires 2 slots)	IC695PSD040†	Power Supply, 24 VDC, 40 Watts (requires 1 slot)
Remote Base Power Supplies	IC693PWR332	Power Supply, 12 VDC, Standard, 30 Watts (Use with Expansion Base)	IC693PWR328	Power Supply, 48 VDC, Standard, 30 Watts (Use with Expansion Base)
Expansion Power Supplies	IC694PWR321	Power Supply, 120/240 VAC, 125 VDC, Standard, 30 Watts (Use with Expansion Base)	IC693ACC341	Redundant Power Supply Base with 0.5 meter cable to connect to Power Supply Adapter Module (Use with Expansion Base)
	IC694PWR330	Power Supply, 120/240 VAC, 125 VDC, High Capacity, 30 Watts (Use with Expansion Base)	IC693ACC350	Redundant Power Supply Adapter (RPSA) Module; replaces power supply on expansion base and connects to a Redundant Power Supply Base. (Use with Expansion Base)
	IC694PWR331	Power Supply, 24 VDC, High Capacity, 30 Watts (Use with Expansion Base)		
Discrete Input Modules	IC694MDL230	120 VAC Isolated Input (8 Points)	IC694MDL634	24 VDC Input, Neg/Pos Logic (8 Points)
	IC694MDL231	240 VAC Isolated Input (8 Points)	IC694MDL645	24 VDC Input, Neg/Pos Logic (16 Points)
	IC694MDL240	120 VAC Input (16 Points)	IC694MDL646	24 VDC Input, Neg/Pos Logic, 1 msec Filter (16 Points)
	IC694MDL241	24 VAC/VDC Input (16 Points)	IC694MDL654	5/12 VDC (TTL) Input, Neg/Pos Logic, (32 Points)
	IC694MDL250	120 VAC Isolated Input (16 Points)	IC694MDL655	24 VDC Input, Neg/Pos Logic, 1 ms, (32 Points)
	IC694MDL260	120 VAC Input (32 Points)**	IC694MDL660	24 VDC Input (32 Points)**
	IC694MDL632	125 VDC Input (8 Points)	IC694ACC300	Input Simulator Module (8 Points)
	IC694MDL310	120 VAC Output, 0.5 Amp (12 Points)	IC694MDL740	12/24 VDC Output, 0.5 Amp, Positive Logic (16 Points)
Discrete Output Modules	IC694MDL330	120/240 VAC Output, 1 Amp (8 Points)	IC694MDL741	12/24 VDC Output, 0.5 Amp, Negative Logic (16 Points)
	IC694MDL340	120 VAC Output, 0.5 Amp (16 Points)	IC694MDL742	12/24 VDC Output, 1 Amp, Positive Logic (16 Points), Fused
	IC694MDL350	120/240 VAC Output, 2 Amp (16 Points)	IC694MDL752	5/12/24 VDC (TTL) Output, Negative Logic, (32 Points)
	IC694MDL390	120/240 VAC Isolated Output, 2 Amp (5 Points)	IC694MDL753	12/24 VDC Output, Positive Logic (32 Points)
	IC694MDL732	12/24 VDC Output, 0.5 Amp, Positive Logic (8 Points)	IC694MDL754	12/24 VDC Output w/ ESCP, 0.75 Amp (32 Points)**
	IC694MDL734	125 VDC Output (6 Points)		
	IC694MDL930	Relay Output, Isolated, 4 Amp (8 Points)	IC694MDL940	Relay Output, 2 Amp (16 Points)
	IC694MDL931	Relay Output, 8 Amp Form B/C contacts, Isolated in 2 Groups of 4 (8 Points)	IC694MDL916	Relay Output, 4 Amp (16 Points)
Analog Input Modules	IC694ALG220	Analog Input, Voltage/Current, (4 Channels)	IC695ALG628†**	Analog Input with HART Communications, Voltage/Current, Configurable, (8 Channels)
	IC694ALG221	Analog Input, Current, (4 Channels)	IC695ALG626†**	Analog Input with HART Communications, Voltage/Current, Configurable, (16 Channels)
	IC694ALG222	Analog Input, Voltage (16 Single ended /8 Differential Channels)	IC695ALG106†**	Isolated Analog input module, configurable for voltage and current (6 Channels).
	IC694ALG223	Analog Input, Current, (16 Single Channels)	IC695ALG112†**	Isolated Analog input module, configurable for voltage and current (12 Channels).
	IC695ALG600†**	Analog Input, Universal, Voltage/Current/RTD/TC/Strain Gauge, (8 Channels)	IC695ALG508†**	Isolated RTD and resistance input channels. Supports 2, 3, 4 wire RTD or Resistance, (8 Channels).
	IC695ALG608†**	Analog Input, Voltage/Current, Configurable, (8 Channels)	IC695ALG306†**	Isolated Thermocouple Input, Supports type J, K, T, E, R, S, B, N, or C and Voltage: ±150 mV or ±50 mV. (6 Channels)
	IC695ALG616†**	Analog Input, Voltage/Current, Configurable, (16 Channels)	IC695ALG312†**	Isolated Thermocouple Input, Supports type J, K, T, E, R, S, B, N, or C and Voltage: ±150mV or ±50mV. (12 Channels)
Analog Output Modules	IC694ALG390	Analog Output, 2 Channels, Voltage	IC695ALG704†**	Analog Output, Voltage/Current, (4 Channels)
	IC694ALG391	Analog Output, Current (2 Channels)	IC695ALG708†**	Analog Output, Voltage/Current, (4 Channels)
	IC694ALG392	Analog Output, Voltage or Current (8 Channels)	IC695ALG728†**	Analog Output with HART Communications, Voltage/Current, (8 Channels)
	IC695ALG808†**	Isolated Analog Output module, voltage/current, (8 Channels)		
Mixed Analog Modules	IC694ALG442	Analog Combo Module (4IN/2OUT)		
Temperature Control	IC693TCM302	(8) T/C, (1) RTD and (8) 24 VDC Output	IC693TCM303	Extended Range, (8) T/C, (1) RTD and (8) 24 VDC Output Modules
Serial Communications	IC695CMM002†**	Two Isolated Serial Ports. Supports Modbus Master/Slave, Serial Read/Write, DNP 3.0 Master/Slave and Custom protocols.	IC695CMM004†**	Four Isolated Serial Ports. Supports Modbus Master/Slave, Serial Read Write, DNP 3.0 Master/Slave and Custom protocols.
Motion Control	IC695PMM335†**	PACMotion Controller, 4 Axes Digital Servo (Fiber Optic Interface to Amplifiers)	IC694DSM314	Digital Servo Motion Controller, 1-2 Axis of Digital Servo or 1-4 Axis Analog Servo
	IC693APU305	I/O Processor Module	IC694DSM324	Digital Servo Motion Controller, 4 Axis (Fiber Optic Interface to Amplifiers)
	IC694APU300	High Speed Counter (HSC)	IC695HSC308†**	High Speed Counter, 1.5 KHz (8 counters)
	IC695HSC301†**	High Speed Counter 1.5 KHz (4 counters)		



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2

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Power Transducer Modules	IC693PTM100	120/240 VAC, 1 Point, 0.5 meter Interface cable	IC693PTM101	120/240 VAC, 1 Point, 1.0 meter Interface cable
Pneumatic Module	IC693MDL760	RX3i Solenoid Module		
Networks and Distributed I/O Systems	IC6948EM331	Genius Bus Controller (Supports I/O and Datagrams)	IC695ETM001†	Ethernet Module, 10/100 base T/TX ports (requires 1 slot)
	IC694DNM200†	DeviceNet Master Module	IC695CMX128†	Control Memory Xchange Module 128Megbytes of user shared memory
	IC695PBM300†	Profibus Master Module	IC695RMX128†	RX3i Redundant Memory Xchange synchronization module for RX3i High Availability redundant controllers.
	IC695PBS301†	Profibus Slave Module		
Expansion Modules	IC695LRE001†	Local Expansion Module (requires no universal slots)	IC693NIU004	Ethernet Remote I/O Interface for IC694CHSxxx Expansion Racks
	IC695NKT001	Ethernet Remote I/O Expansion Kit		
Terminal Blocks	IC694TBB032	High Density Terminal Block Box Style (36 Terminals)	IC694TBS032	High Density Terminal Block Spring Style (36 Terminals)
	IC695FTB1B032	PACMotion Fiber I/O terminal block with screw terminal headers	IC695FTB1S032	PACMotion Fiber I/O terminal block with spring clip terminal headers
	Part Number	Description	Part Number	Description
Accessories	IC693ACC302	High Capacity Battery Pack (mounts externally)	IC693CBL312	Rack to Rack Expansion Cable, 0.15 Meters, Shielded
	IC693CBL300	Rack to Rack Expansion Cable, 1 Meter	IC693CBL313	Rack to Rack Expansion Cable, 8 Meters
	IC693CBL301	Rack to Rack Expansion Cable, 2 Meters	IC693CBL314	Rack to Rack Expansion Cable, 15 Meters, Shielded
	IC693CBL302	Rack to Rack Expansion Cable, 15 Meters	IC694ACC310	Blank Filler Module
	IC694TBB132	High Density 32 Point Terminal Block Box Style with Extended Shroud for Large Wiring Bundles	IC694TBS132	High Density 32 Point Terminal Block Spring Style with Extended Shroud for Large Wiring Bundles
	IC695ACC600	RX3i Cold Junction Compensation Kits for Universal Analog Input Module	IC698ACC701	Lithium Battery pack that installs in CPU
	IC690ACC901	Mini-Converter Kit with cable	IC690ACC903	RS-485 Port Isolator
	IC693ACC307	I/O Bus Terminator Plug	IC693ACC311	Terminal Blocks, 20 terminals
	VMICBL-000-F5-0xx	Fiber optic cable for CMX and RMX where 0xx distinguishes different lengths		
Programming and Troubleshooting Tools	IC646MPP001	Logic Developer - PLC Professional		

Power Supplies pages 1.11-1.14

Discrete Input Modules pages 1.14-1.16

Discrete Output Modules pages 1.22-1.26

Analog Input Modules pages 1.17-1.21

Analog Output Modules pages 1.27-1.30

Pneumatic Module page 1.51

Expansion Modules page 1.52

CPUs pages 1.7-1.8

Specialty Modules pages 1.31-1.42, 1.46

Serial Communication Modules page 1.45

PACMotion pages 1.47-1.48

Networks and Distributed I/O Systems pages 1.43-1.44

RX3i Accessories pages 1.53-1.57

RX3i Configuration Guidelines pages 1.58-1.60

α and β Series Servo Amplifiers page 1.61

VersaMotion pages 1.62-1.70