



This Datasheet is for the

IC698CHS117

The IC698CHS117 for the Rx7i has a 17 slot rack and the IC698CHS117 is front mount.

<http://www.qualitrol.com/shop/p-16065-ic698chs117.aspx>

For further information, please contact Qualitrol Technical Support at

1-800-784-9385

support@qualitrol.com



PACSystems* RX7i Controller

Built on a standard embedded open architecture, GE Intelligent Platforms' PACSystems RX7i is the first member of the PACSystems family of programmable automation controllers (PACs). Boosting overall profitability, RX7i can help improve your performance and productivity for a sustainable advantage.

The PACSystems RX7i features a single control engine and universal programming environment to provide application portability across multiple hardware platforms — creating a seamless migration path and delivering a true convergence of control choices.

Designed to address mid-to-high-end applications for OEMs, integrators, and end users, the PACSystems RX7i is ideally suited for integrated solutions that require an open architecture, large memory, distributed I/O, and high performance.

Performance – Delivering on the Demands of Your Most Advanced Applications

- Pentium® CPUs for your every need, from Celeron 300Mhz to M Class 1.8Ghz
- VME64 Backplane provides up to four times the bandwidth of existing Series 90*-70 systems
- 10/100 Ethernet built into the CPU, with easy cabling RJ-45 dual ports connected through an auto-sensing switch — no need for additional switches or hubs rack to rack
- Up to 64MB memory for fast execution, storage of the complete program with all documentation (including Excel, Word, PDF and DXF files) — all in one CPU
- Object Oriented programming through IEC languages including C for fast executing, standards based applications
- Integration of Control Memory Xchange, a high speed global memory over a fiber network — like having a networked drive everyone can see and share
- High capacity power supplies (100W and 350W) to reduce the requirement for an external supply

Productivity – Maximizing Efficiency of Design and Operation

- One common environment for configuring, programming, commissioning, and maintaining your application with Proficy* Machine Edition
- One tool for Control, View and Motion program development
- System Management with Manager provides Version Control, Security Access, and Audit Trail
- Embed Proficy Historian or other tools typically requiring a separate computer for maximum productivity

Openness – Optimizing the Benefits of Market Technology

- Supports VME third party boards
- Connectivity to globally accepted communications: Ethernet, GENIUS*, Profibus™ and DeviceNet™
- Additional communications options with RS-232 and RS-485 ports
- Web server access with user-defined pages

Flexibility – Leveraging Software and Hardware Platforms for Multiple Generations

- High availability with high speed bumpless transfer using Control Memory Exchange (reflective memory)
- Dual or Single LAN, Ethernet or GENIUS, for redundant or simplex control systems
- Mix languages within the application
- Supports existing Series 90-70 I/O and new I/O in same rack

Migration – Protecting Intellectual Property and Application Investment

- Same overall controller footprint as Series 90-70
- Supports existing Series 90-70 modules, expansion racks, VME modules and GENIUS networks — protecting your hardware investment
- Seamless conversion of Series 90-70 programs for complete protection of application investment
- Upgrade your Series Six system, connecting directly to the I/O and converting the existing program into the PACSystems easily
- PACSystems' open, layered and portable engine allows continuous migration as technology changes



PACSystems* RX7i Controller

Ordering Information

	Part Number	Description	Part Number	Description	
Controllers	IC69BCPE010	RX7i VME 300MHz CPU with Embedded 10/100 Ethernet	IC69BCPE020	RX7i VME 700MHz CPU with Embedded 10/100 Ethernet	
	IC69BCRE020	RX7i VME 700MHz Redundant CPU with Embedded 10/100 Ethernet	IC69BCPE030	RX7i VME M Class 600MHz CPU with Embedded 10/100 Ethernet	
	IC69BCPE040	RX7i VME M Class 1.8GHz CPU with Embedded 10/100 Ethernet	IC69BCRE030	RX7i VME M Class 600MHz Redundant CPU with Embedded 10/100 Ethernet	
	IC69BCRE040	RX7i VME M Class 1.8GHz Redundant CPU with Embedded 10/100 Ethernet			
Controller Racks	IC69BCH5009	RX7i 9 VME Slot Rack, Rear Mount	IC69BCH5117	RX7i 18 VME Slot Rack, Front Mount	
	IC69BCH5017	RX7i 18 VME Slot Rack, Rear Mount	IC69BCH5217	RX7i 17 VME Slot Rack, Rear Mount, Rear I/O access	
	IC69BCH5109	RX7i 9 VME Slot Rack, Panel Mount			
Controller Power Supplies	IC69BPSA100	RX7i PLC Power Supply, 85 to 264 VAC at 47 to 63 Hz Input, 100 Watt output	IC69BPSA350	RX7i PLC Power Supply, 85 to 264 VAC at 47 to 63 Hz Input, 350 Watt output	
	IC69BPSD300	RX7i Power Supply, 18-30 VDC, 300 Watts			
Expansion Racks	IC697CH5750	Rack, 5 Slots, Rear Mount	IC697CH5782	Integrators Rack, 17 Slots, Rear Mount	
	IC697CH5790	Rack, 9 Slots, Rear Mount	IC697CH5783	Integrators Rack, 17 Slots, Front Mount	
	IC697CH5791	Rack, 9 Slots, Front Mount			
Expansion Power Supplies	IC697PWR710	Power Supply, 120/240 VAC, 125 VDC, 50 Watts	IC697PWR724	Power Supply, 24 VDC, 90 Watts	
	IC697PWR711	Power Supply, 120/240 VAC, 125 VDC, 100 Watts	IC697PWR748	Power Supply, 48 VDC, 90 Watts	
Discrete Inputs	IC697MDL240	120 VAC Isolated Input (16 Points)	IC697MDL640	125 VDC Input (16 Points)	
	IC697MDL241	240 VAC Isolated Input (16 Points)	IC697MDL651	5 VDC (TTI) Input (32 Points)	
	IC697MDL250	120 VAC Input (32 Points)	IC697MDL652	12 VDC Input, Positive/Negative Logic (32 Points)	
	IC697MDL251	120 VAC Input (36 Points) Non-isolated	IC697MDL653	24 VDC Input, Positive/Negative Logic (32 Points)	
	IC697MDL252	12 VAC Input (32 Points)	IC697MDL654	48 VDC Input, Positive/Negative Logic (32 Points)	
	IC697MDL253	24 VAC Input (32 Points)	IC697MDL671	Interrupt Input Module, 14 points	
	IC697MDL254	48 VAC Input (32 Points)	IC697VDD100	24 VDC Source, 64 point, can be configured for SOE (Sequence Of Event) recording	
	IC697MDL340	120 VAC Output, 2 Amp (16 Points)	IC697MDL740	24/48 VDC Output, 2 Amp, Positive Logic (16 Points)	
Discrete Outputs	IC697MDL341	120/240 VAC Isolated Output, 2 Amp (12 Points)	IC697MDL750	24/48 VDC Output, 0.5 Amp, Positive Logic (32 Points)	
	IC697MDL350	120 VAC Output, 0.5 Amp (32 Points)	IC697MDL752	12 VDC Output, 0.5 Amp, Positive Logic (32 Points)	
	IC697MDL940	Relay Output, Signal, 2 Amp (16 Points)	IC697MDL753	5/48 VDC Output, 0.5 Amp, Negative Logic (32 Points)	
	IC697VDR150	Relay Output, Non-latching, 2 Amp (32 Points)	IC697VDQ120	Digital Output, 64 point, 24 VDC at 500 mA, Sink or Source (64 point)	
	IC697VDR151	Relay Output, Non-latching (64 Points)			
	Analog Inputs	IC697ALG230	Voltage/Current, 8 Channels	IC697VAL216	0 to 5 VDC, 0 to 10 VDC, +/- 2.5 VDC, +/- 5 VDC, +/- 10 VDC, 16 Channel, Jumper Selectable 16-bit Resolution
		IC697ALG440	Analog Input Expander, Current, 16 Channels. Used with IC697ALG230.	IC697VAL232	0 to 5 VDC, 0 to 10 VDC, +/- 2.5 VDC, +/- 5 VDC, +/- 10 VDC, 32 Channel, Jumper Selectable 16-bit Resolution
		IC697ALG441	Analog Input Expander, Voltage, 16 Channels. Used with IC697ALG230.	IC697VAL264	0 to 5 VDC, 0 to 10 VDC, +/- 2.5 VDC, +/- 5 VDC, +/- 10 VDC, 64 Channel, Jumper Selectable 16-bit Resolution
IC697VAL132		0 to 20mA, 12-bit, 32 Channel Single Ended or 16 Channel Differential	IC697VRD008	RTD/Strain Bridge Module. Supports 8 channels of 100 ohm platinum RTD or +/- 30mV and +/-100mV voltage inputs. 12 bits plus sign	
IC697VAL134		0 to 10 VDC, +/- 5 VDC, +/- 10 VDC, 32 Channel Single Ended or 16 Channel Differential			
Analog Outputs		IC697ALG320	Analog Output, Voltage/Current, 4 Channels	IC697VAL308	Analog Output, Isolated, 8 channel, 12 bit, Voltage - bipolar +/-2.5 VDC, +/-5 VDC, +/- 10 VDC
	IC697VAL301	Analog Output, 12 bit, 32 channel 0 to 10 VDC, 0 to 5 VDC, +/-2.5 VDC, +/-5 VDC, +/- 10 VDC	IC697VAL324	Analog Output, Isolated, 4 channel, 12 bit, Voltage - polar 0 to 10 VDC, 0 to 5 VDC	
	IC697VAL306	Analog Output, 12bit, 16 channel, non Isolated, Voltage/Current jumper selectable voltage 0 to 10 VDC, 0 to 5 VDC, +/-2.5 VDC, +/-5 VDC, +/- 10 VDC or Current 0 to 20mA, 4 to 20mA, and 5 to 25 mA.	IC697VAL314	Analog Output, Isolated, 4 channel, 12 bit, Current - 4 to 20 mA,	
	IC697VAL328	Analog Output, Isolated, 8 channel, 12 bit, Voltage - polar 0 to 10 VDC, 0 to 5 VDC	IC697VAL304	Analog Output, Isolated, 4 channel, 12 bit, Voltage - bipolar +/-2.5 VDC, +/-5 VDC, +/- 10 VDC	
	IC697VAL318	Analog Output, Isolated, 8 channel, 12 bit, Current - 4 to 20 mA	IC697VAL348	Analog Output, 8 channel, 16bit, Voltage bipolar 0 to +/- 10 VDC	
	Communication Modules	IC69BEM001	RX7i Ethernet Module 10/100, Auto Sensing, Auto Switching	IC697VRM015	Reflective Memory with 256KByte memory and 512 transfer FIFO. 170 Mbaud fiber optic network. Supports up to 256 nodes over 2,000 meters
IC697CMM711		Serial Communications Coprocessor, CCM, RTU, SNP and SNPx Protocols	IC697RCM711	Redundancy Communications Module (Hot Standby)	
IC69BRMX016		RX7i Redundancy Memory Exchange Module, 16 Mbytes Reflective Memory	IC69BXM016	RX7i Central Memory Exchange Module, 16 Mbytes Reflective Memory	
I/O Interface Modules	IC697BEM731	VME Single Slot Bus Controller	IC697BEM731	Genius I/O Bus Controller	
	IC697BEM711	Bus Receiver (Required for Each Local Expansion Rack)	IC697BEM733	Genius Remote I/O Scanner	
	IC697BEM713	Bus Transmitter			
Special Function Modules	IC697HSC700	High Speed Counter	IC697PCM711	Programmable Coprocessor	
	IC697VHD001	Single-slot VMEbus Hard Disk Module	IC697VSC096	Single-slot Celeron Socket 370 Processor-based VMEbus Single-board Computer	
Accessories	IC69BACC701	Lithium Battery pack			

GE Intelligent Platforms Contact Information

Americas: 1 800 433 2682 or 1 434 978 5100

Global regional phone numbers are listed by location on our web site at www.ge-ip.com/contact

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