



Analog I/O Modules (Output)

GE Fanuc offers easy-to-use analog modules for PACSystems and Series 90-70, supporting a wide array of control processes. These modules come in various input and output voltages and currents suitable for many different applications including flow and pressure control.

	IC697VAL314	IC697VAL318	IC697ALG320	IC697VAL306
Product Name	Analog Output, Isolated, 4 Channel, 12-bit, Current - 4 to 20 mA	Analog Output, Isolated, 8 Channel, 12-bit, Current - 4 to 20 mA	Analog Output, Voltage/Current	Analog Output, Voltage/Current, 16 Channel
Module Type	Analog	Analog	Analog	Analog
Module Function	Output	Output	Output	Output
Analog Output Type	Current	Current	Current or Voltage	Current or Voltage
Analog Outputs per Module	4	8	4 (individually configurable for voltage or current)	16
Analog Output Voltage Range	N/A	N/A	(-10 Volts to +10 Volts)	Unipolar (0 to +10 Volt, 0 to +5 Volt); Bipolar (+2.5, +5, or +10 Volts)
Analog Output Current	4 to 20 mA, 0 to 20 mA, or 5 to 25 mA	4 to 20 mA, 0 to 20 mA, or 5 to 25 mA	0.0 mA to 22.5 mA (4 to 20 mA default)	5 mA
Response Time-On	N/A	N/A	Voltage: 5.0% 0.5 ms, 0.1% 2.0 ms; Current: 5.0% 1.0 ms, 0.1% 5.0 ms	N/A
Isolation (any output to backplane)	1500 Volts RMS	1500 Volts RMS	N/A	N/A
Isolation (between outputs)	1500 Volts RMS	1500 Volts RMS	N/A	N/A
Impedance	Current: Greater than 10 Mohms, 0 to 25 Volts; Voltage: Greater than 1 Mohm	Current: Greater than 10 Mohms, 0 to 25 Volts; Voltage: Greater than 1 Mohm	N/A	0.33 Ohm
Resolution (Voltage)	12 bits	12 bits	312.5 microvolts per LSB step	12 bits
Current Required from 5V Bus	6.5 Amps maximum	6.5 Amps maximum	1.66 Amps	2.5 Amps typical (4.0 Amps maximum)



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Module Type	Analog	Analog	Analog	Analog
Module Function	Output	Output	Output	Output
Analog Output Type	Current	Current	Current or Voltage	Current or Voltage
Analog Outputs per Module	4	8	4 (individually configurable for voltage or current)	16
Analog Output Voltage Range	N/A	N/A	Bipolar (-10 Volts to +10 Volts)	Unipolar (0 to +10 Volt, 0 to +5 Volt); Bipolar (+2.5, +5, or +10 Volts)
Analog Output Current	4 to 20 mA, 0 to 20 mA, or 5 to 25 mA	4 to 20 mA, 0 to 20 mA, or 5 to 25 mA	0.0 mA to 22.5 mA (4 to 20 mA default)	5 mA
Response Time-On	N/A	N/A	Voltage: 5.0% 0.5 ms, 0.1% 2.0 ms; Current: 5.0% 1.0 ms, 0.1% 5.0 ms	N/A
Isolation (any output to backplane)	1500 Volts RMS	1500 Volts RMS	N/A	N/A
Isolation (between outputs)	1500 Volts RMS	1500 Volts RMS	N/A	N/A
Impedance	Current: Greater than 10 Mohms, 0 to 25 Volts; Voltage: Greater than 1 Mohm	Current: Greater than 10 Mohms, 0 to 25 Volts; Voltage: Greater than 1 Mohm	N/A	0.33 Ohm
Resolution (Voltage)	12 bits	12 bits	312.5 microvolts per LSB step	12 bits
Current Required from 5V Bus	6.5 Amps maximum	6.5 Amps maximum	1.66 Amps	2.5 Amps typical (4.0 Amps maximum)

Index

Product Number	Product Name	Page Number	Product Number	Product Name	Page Number
IC695CHS016	PACSystems RX3i 16 slot high speed controller base supports PCI and serial bus	35	IC697CPU789	Central Processing Unit, 16 MHz, 32-Bit, Expandable (for Genius Triple Modular Redundancy Systems), 12K Inputs and Outputs (any mix)	77
IC695CMU310	PACSystems RX3i Redundant High Availability CPU with two built-in serial ports	34	IC697CPX772	Central Processing Unit, 96 MHz, 32-Bit, Floating Point, 512 Kbytes On-Board User Memory; 256K of Built-In Flash Memory	76
IC695CPU310	PACSystems RX3i CPU with two built-in serial ports	34	IC697CPX782	Central Processing Unit, 96 MHz, 32-Bit, Floating Point, 1 Mbyte On-Board User Memory; 256K of Built-In Flash Memory	76
IC695DEM001	RX3i Power PACKage 1 Demo Case	71	IC697CPX928	Central Processing Unit, 96 MHz, 32-Bit, Floating Point, 6 Mbytes On-Board User Memory (requires 70 CFM forced air cooling); 256K of Built-In Flash Memory	76
IC695DEM002	RX3i Power PACKage 2 Demo Case	71	IC697CPX935	Central Processing Unit, 96 MHz, 32-Bit, Floating Point, 1 Mbyte On-Board User Memory (requires 70 CFM forced air cooling); 256K of Built-In Flash Memory	76
IC695DEM004	Beta i Series 1-Axis Motion Demo Case	71	IC697HSC700	High Speed Counter	28, 94
IC695ETM001	PACSystems RX3i Ethernet TCP/IP 10/100Mbps, two RJ-45 ports with built-in switch	63	IC697MDL240	Input 120 VAC (Isolated)	15, 81
IC695LRE001	PACSystems RX3i Expansion Module	70	IC697MDL241	Input 240 VAC (Isolated)	16, 82
IC695NKT001	PACSystems RX3i Ethernet Remote I/O Expansion Kit. Kit includes a NIU001 with two built-in serial ports and ETM001	70	IC697MDL250	Input 120 VAC	15, 81
IC695PBM300	PACSystems RX3i Profibus Master Module, Supports DPV1 Class 1 and Class 2.	63	IC697MDL251	Input 120 VAC (non-isolated)	15, 81
IC695PBS301	PACSystems RX3i Profibus Slave Module, Supports DPV1 Class 1 and Class 2.	63	IC697MDL252	Input 12 VAC	15, 81
IC695PSA001	Power Supply, 120/240 VAC, 125 VDC	36	IC697MDL253	Input 24 VAC	15, 81
IC695PSA140	Multipurpose Power Supply, 120/240 VAC, 125 VDC	36	IC697MDL254	Input 48 VAC	15, 81
IC695PSD040	Power Supply, 24 VDC	36	IC697MDL340	Output 120 VAC 2A	21, 87
IC695PSD140	Multipurpose Power Supply, 24 VDC	36	IC697MDL341	Output 120/240 VAC 2A (Isolated)	21, 87
IC695STK001	RX3i Controller PACKage 1 Starter Kit	71	IC697MDL350	Output 120 VAC 0.5A	21, 87
IC695STK002	RX3i with Control and View. Power PACKage 2 Starter Kit	71	IC697MDL640	Input 125 VDC Positive/Negative Logic	16, 82
IC695STK003	RX3i, The Complete PACKage with Control, Motion and View. Power PACKage 3 Starter Kit	71	IC697MDL651	Input TTL	16, 82
IC697ACC621	Short Rack Fan Assembly, 120 VAC	31	IC697MDL652	Input 12 VDC Positive/Negative Logic	16, 82
IC697ACC624	Short Rack Fan Assembly, 240 VAC	31	IC697MDL653	Input 24 VDC Positive/Negative Logic	16, 82
IC697ACC644	Short Rack Fan Assembly, 24 VDC	31	IC697MDL654	Input 48 VDC Positive/Negative Logic	16, 82
IC697ACC700	Terminal Block, 40 Contacts (qty. 6)	96	IC697MDL671	Interrupt Input (14 Interrupt Points, 2 Configurable Points)	17, 83
IC697ACC701	Replacement Battery, CPU & PCM (qty. 2)	96	IC697MDL740	Output 12 VDC 0.5A	22, 88
IC697ACC702	I/O Bus Terminator Plug	96	IC697MDL750	Output 24/48 VDC 0.5A	21, 87
IC697ACC715	VME Option Kit (J2 Backplane)	96	IC697MDL752	Output 24/48 VDC 2A	21, 87
IC697ACC720	Blank Slot Filler, Full Slot Rack (qty. 6)	96	IC697MDL753	Output 5/48 VDC 0.5A Negative Logic	21, 87
IC697ACC721	Rack Fan Assembly, 120 VAC	31, 96	IC697MDL940	Output Relay	22, 88
IC697ACC722	VME Backplane Connector, Interrupt Jumper (qty. 6)	96	IC697MEM713	CMOS Expansion Memory, 64K bytes (for models CPU 771/CPU 772 and PCM)	95
IC697ACC723	Clear Plastic Doors (qty. 6)	96	IC697MEM715	CMOS Expansion Memory, 128K bytes (for models CPU 771/CPU 772 and PCM)	95
IC697ACC724	Rack Fan Assembly, 240 VAC	31, 96	IC697MEM717	CMOS Expansion Memory, 256K bytes (for models CPU 771/CPU 772 and PCM)	95
IC697ACC725	CPU-style Painted Door, Blank (qty. 6)	96	IC697MEM719	CMOS Expansion Memory, 512K bytes (for models CPU 771/CPU 772 and PCM)	95
IC697ACC726	Top PWA Cover, CPU-Style, (qty. 6)	96	IC697MLX000	Series 90-70 Labels Kit	96
IC697ACC727	Top and Bottom PWA Cover - GBC (qty. 2)	96	IC697PCM711	Programmable Coprocessor Module	28, 94
IC697ACC728	Top and Bottom PWA Cover - BTM/BTR (qty. 2)	96	IC697PWR710	Expansion Rack Power Supply, 120/240 VAC or 125 VDC, 55W	29, 80
IC697ACC729	Top and Bottom PWA Cover - I/O Link	96	IC697PWR711	Expansion Rack Power Supply, 120/240 VAC or 125 VDC, 100W	29, 80
IC697ACC730	Spare Slot Terminal Strip Retainer (qty. 1)	96	IC697PWR720	Power Supply Adapter Module	80
IC697ACC732	Top PWA Cover - CPU77x and CPU78x (qty. 2)	96	IC697PWR724	Expansion Rack Power Supply, 24 VDC, 90W	29, 80
IC697ACC736	Cable Shield Clamping Assembly	31, 96	IC697PWR748	Expansion Rack Power Supply, 48 VDC, 90W	29, 80
IC697ACC744	Rack Fan Assembly, 24 VDC	31, 96	IC697RCM711	Redundancy Communications Module	93
IC697ACC902	Miniconverter Kit with Cable for NEC9800 (RS-232 to RS-485)	96	IC697VAL132	Isolated Scanning 12-bit 31-Channel Current Analog-to-Digital Converter Board (6U) with Built-in-Test and Screw Terminal interface	19, 85
IC697ACC903	RS-485 Port Isolator	96	IC697VAL134	Isolated Scanning 12-bit 31-Channel Voltage Analog-to-Digital Converter Board (6U) with Built-in-Test and Screw Terminal interface	19, 85
IC697ALG230	Analog Input, High Level	18, 84	IC697VAL216	High-Performance 16-bit Analog-to-Digital Converter (ADC) - 16 Channels	20, 86
IC697ALG320	Analog Output, Voltage/Current	25, 91	IC697VAL232	High-Performance 16-bit Analog-to-Digital Converter (ADC) - 32 Channels	20, 86
IC697ALG440	Analog Expander, Current	18, 84	IC697VAL264	High-Performance 16-bit Analog-to-Digital Converter (ADC) - 64 Channels	19, 85
IC697ALG441	Analog Expander, Voltage	18, 84	IC697VAL301	Analog Output, Voltage, 32 Channel with Built-in-Test	24, 90
IC697BEM711	Bus Receiver Module	26, 92	IC697VAL304	Analog Output, Isolated, 4 Channel, 12-bit, Voltage - Bipolar	24, 90
IC697BEM713	Bus Transmitter Module	26, 92	IC697VAL306	Analog Output, Voltage/Current, 16 Channel	25, 91
IC697BEM731	Genius Bus Controller	26, 92	IC697VAL308	Analog Output, Isolated, 8 Channel, 12-bit, Voltage - Bipolar	24, 90
IC697BEM733	Remote I/O Scanner	26, 92	IC697VAL314	Analog Output, Isolated, 4 Channel, 12-bit, Current - 4 to 20 mA	25, 91
IC697CBL709	Cable, MAP Controller to Broadband Modem	96	IC697VAL318	Analog Output, Isolated, 8 Channel, 12-bit, Current - 4 to 20 mA	25, 91
IC697CBL713	Cable - Power Supply Extension	96	IC697VAL324	Analog Output, Isolated, 4 Channel, 12-bit, Voltage - Unipolar	24, 90
IC697CBL811	Cable, RCM Communications (10 feet) I/O Expansion Cable	96	IC697VAL328	Analog Output, Isolated, 8 Channel, 12-bit, Voltage - Unipolar	24, 90
IC697CBL826	Cable, RCM Communications (25 feet) I/O Expansion Cable	96	IC697VAL348	Analog Output, 8 Channel, 16-bit, Voltage Bipolar	24, 90
IC697CGR772	Central Processing Unit for CPU Redundancy Applications, 96 MHz, 32-Bit, Floating Point, 512 Kbytes On-Board User Memory	77	IC697VDD100	64-Channel Isolated Digital Input Board with Multifunctional Intelligent Controller	17, 83
IC697CGR935	Central Processing Unit for CPU Redundancy Applications, 96 MHz, 32-Bit, Floating Point, 1 Mbyte On-Board User Memory	77	IC697VDQ120	64-bit High Current Source / Sink Driver Board	23, 89
IC697CHS750	Standard Series 90-70 Expansion Rack, 5-slot, Rear (Panel) Mount	30, 78	IC697VDR150	Relay Output, 32 Points, Non-Latching, 2 Amp	23, 89
IC697CHS770	Redundant Series 90-70 Rack, 9-Slot, Rear (Panel) Mount	78	IC697VDR151	Relay Output, 64 Points, Non-Latching	23, 89
IC697CHS771	Redundant Series 90-70 Rack, 9-Slot, Front (Rack) Mount	78	IC697VHD001	Single-Slot VMEbus Hard Disk Module	28, 94
IC697CHS782	VME Integrator Expansion Rack, 17-slot, Rear (Panel) Mount	30, 78	IC697VRD008	Intelligent 8-Channel RTD / Strain Bridge, Analog Voltage Input Board with Screw Terminal Interface	20, 86
IC697CHS783	VME Integrator Expansion Rack, 17-slot, Front (Rack) Mount	30, 79	IC697VRM015	Fiber-Optic Reflective Memory with Interrupts	27, 93
IC697CHS790	Standard Series 90-70 Expansion Rack, 9-slot, Rear (Panel) Mount	30, 78	IC697VSC096	Single-Slot Celeron Socket 370 Processor-Based VMEbus Single-Board Computer	28, 94
IC697CHS791	Standard Series 90-70 Expansion Rack, 9-slot, Front (Rack) Mount	30, 78	IC698ACC701	CPU Lithium Battery and Spare Door	31, 71
IC697CMM711	Communications Coprocessor	27, 93	IC698ACC720	Gasketed Filler Faceplate, Double-width	31
IC697CMM742	Ethernet Interface (Type 2) Module	93	IC698ACC735	Gasketed Filler Faceplate, Single-width	31
IC697CPM790	Central Processing Unit, 64 MHz, 32-Bit, Floating Point, 1 Mbyte On-Board User Memory	77	IC698CHS009	Standard PACSystems 9-slot Wall (Rear) Mount	13
IC697CPU731	Central Processing Unit, 12 MHz, 32 Kbytes On-Board User Memory	76	IC698CHS017	Standard PACSystems 18-slot Wall (Rear) Mount	13
IC697CPU780	Central Processing Unit, 16 MHz, 32-Bit, Expandable, Floating Point	76			
IC697CPU788	Central Processing Unit, 16 MHz, 32-Bit, Expandable (for Genius Triple Modular Redundancy Systems), 352 Inputs and Outputs (any mix)	77			