



Analog Mixed Modules

Genius Analog Mixed blocks provide 4 channels of inputs and 2 channels of outputs. The channels can be configured for current or voltage with powerful diagnostics.

	IC660BBA020	IC660BBA100	IC660BBA024	IC660BBA104
Product Name	Genius Analog I/O Block, Voltage/Current, 4 Inputs/ 2 Outputs, 24/48 VDC Powered	Genius Analog I/O Block, Voltage/Current, 4 Inputs/ 2 Outputs, 115 VAC Powered	Genius Analog I/O Block, Current-source, 4 Inputs/ 2 Outputs, 24/48 VDC Powered	Genius Analog I/O Block, Current-source, 4 Inputs/ 2 Outputs, 115 VAC/ 125 VDC Powered
Lifecycle Status	Mature	Mature	Mature	Mature
Network Support	Genius Bus	Genius Bus	Genius Bus	Genius Bus
Number of Points	4 In / 2 Out	4 In / 2 Out	4 In / 2 Out	4 In / 2 Out
Points Per Common	One group of 4 Inputs and one group of 2 Outputs	One group of 4 Inputs and one group of 2 Outputs	One group of 4 Inputs and one group of 2 Outputs	One group of 4 Inputs and one group of 2 Outputs
Input Range	0–10 VDC, 10 VDC, 5 VDC, 0–5 VDC, 4–20 mA (or 1–5 VDC)	0–10 VDC, 10 VDC, 5 VDC, 0–5 VDC, 4–20 mA (or 1–5 VDC)	4 mA to 20 mA	4 mA to 20 mA
Output Range	0–10 VDC, 10 VDC, 5 VDC, 0–5 VDC, 4–20 mA (or 1–5 VDC)	0–10 VDC, 10 VDC, 5 VDC, 0–5 VDC, 4–20 mA (or 1–5 VDC)	4 mA to 20 mA	4 mA to 20 mA
Operating Voltage	18-56 VDC	98-132 VAC	18-56 VDC	93-132 VAC / 105-145 VDC
Resolution	12 bit + sign	12 bit + sign	Input: 1 micro Amp Output: 6 micro Amp	Output: 6 mA
Update Rate	Once every 4mS	Once every 4mS	Input: 16.6mS to 400mS (user selectable) Output: 6mS to 8mS typical	Input: 16.6mS to 400mS (user selectable) Output: 6mS to 8mS typical
Accuracy	Typical: 0.2% of full scale; Maximum: 0.5% of full scale: within 50mV on the 10 volt range, 25mV on the 5 volt range, and 100mA on the 4 to 20 mA range.	Typical: 0.2% of full scale; Maximum: 0.5% of full scale: within 50mV on the 10 volt range, 25mV on the 5 volt range, and 100mA on the 4 to 20 mA range.	Input: 0.1% of full scale reading Output: 0.15% of full scale reading	Input: 0.1% of full scale reading Output: 0.15% of full scale reading
Input Filter Response	none, 8, 16, 32, 64, 128, 256, 512, 1024mS	none, 8, 16, 32, 64, 128, 256, 512, 1024mS	16.6mS to 400mS (user selectable)	16.6mS to 400mS (user selectable)
Diagnostics	Input: Underrange, Overrange, High Alarm, Low Alarm, Open Wire Output: Underrange, Overrange	Input: Underrange, Overrange, High Alarm, Low Alarm, Open Wire Output: Underrange, Overrange	Input: Underrange, Overrange, High Alarm, Low Alarm, Open Wire Output: Underrange, Overrange, Feedback error	Input: Underrange, Overrange, High Alarm, Low Alarm, Open Wire, Output: Underrange, Overrange, Feedback error
Dimensions (W x H x D)	8.83" (22.44cm) x 3.50" (8.89cm) x 3.94" (10.00cm)	8.83" (22.44cm) x 3.50" (8.89cm) x 3.94" (10.00cm)	8.83" (22.44cm) x 3.50" (8.89cm) x 3.94" (10.00cm)	8.83" (22.44cm) x 3.50" (8.89cm) x 3.94" (10.00cm)

Product Number	Product Name	Page Number
IC660BBA100	Genius Analog I/O Block, Voltage/Current, 4 Inputs/ 2 Outputs, 115 VAC Powered	3.46
IC660BBA101	Genius Analog Input Block, RTD, 6 Channel, 115 VAC/125 VDC Powered	3.47
IC660BBA103	Genius Analog Input Block, Thermocouple, 6 Channel, 115 VAC/125 VDC Powered	3.47
IC660BBA104	Genius Analog I/O Block, Current-source, 4 Inputs/ 2 Outputs, 115 VAC/ 125 VDC Powered	3.46
IC660BBA105	Genius Analog Output Block, Current-source, 6 Channels, 115 VAC/125 VDC Powered	3.45
IC660BBA106	Genius Analog Input Block, Current-source, 6 Channels, 115 VAC/125 VDC Powered	3.44
IC660BBD020	Genius Discrete I/O Block, 24/48 VDC Grouped, 16 Point, Source	3.42
IC660BBD021	Genius Discrete I/O Block, 24/48 VDC Grouped, 16 Point, Sink	3.42
IC660BBD022	Genius Discrete I/O Block, 24 VDC Grouped, 16 Point, Source	3.42
IC660BBD023	Genius Discrete I/O Block, 24 VDC Grouped, 16 Point, Sink	3.42
IC660BBD024	Genius Discrete I/O Block, 12/24 VDC Grouped, 32 Point, Source	3.42
IC660BBD025	Genius Discrete I/O Block, 5/12/24 VDC Grouped, 32 Point, Sink	3.43
IC660BBD101	Genius Discrete I/O Block, 115 VAC Grouped, 8 Point	3.41
IC660BBD110	Genius Discrete Input Block, 115 VAC Grouped, 16 Point	3.41
IC660BBD120	Genius High Speed Counter Block	3.48
IC660BBR100	Genius Relay Output Block, Grouped, 16 Points, Normally Closed	3.43
IC660BBR100	Genius Relay Output Block, Grouped, 16 Points, Normally Closed	3.41
IC660BBR101	Genius Relay Output Block, Grouped, 16 Points, Normally Open	3.41
IC660BBR101	Genius Relay Output Block, Grouped, 16 Points, Normally Open	3.43
IC660BBS102	Genius Discrete I/O Block, 115 VAC/125 VDC Isolated, 8 Point	3.41
IC660BBS102	Genius Discrete I/O Block, 115 VAC/125 VDC Isolated, 8 Point	3.41
IC660BBS102	Genius Discrete I/O Block, 115 VAC/125 VDC Isolated, 8 Point	3.43
IC660BBS103	Genius Discrete I/O Block, 115 VAC/125 VDC Isolated, 8 Point, w/o Failed Switch Diagnostic	3.43
IC660BBS103	Genius Discrete I/O Block, 115 VAC/125 VDC Isolated, 8 Point, w/o Failed Switch Diagnostic	3.41
IC660BCM501	Hand-Held Monitor Battery Charger	3.50
IC660BLC001	Genius bus Cable w/Connectors Alpha 9823 15 In (Qty 3)	3.50
IC660BLC003	Genius bus Cable w/Connectors Alpha 9823 3 Ft	3.50
IC660BLM506	Bus Terminator 150 Ohm (Qty 4)	3.50
IC660BLM507	Genius Block Puller	3.50
IC660BLM508	Bus Terminator 75 Ohm (Qty 4)	3.50
IC660BPM100	Genius I/O PowerTrac Monitoring Block, Accurately measures RMS voltage, current, power, VARs, power factor, watt-hours, and line frequency, even with distorted waveforms. 115 VAC/125 VDC Powered	3.49

Product Number	Product Name	Page Number
IC660BPM500	Hand-Held Monitor Battery Pack	3.50
IC660BSM021	Genius Bus Switching Module, 24/48 VDC	3.50
IC660BSM120	Genius Bus Switching Module, 115 VAC/ 125 VDC	3.50
IC660HHM501	Hand-Held Monitor can be used to configure and trouble shoot Genius blocks. Kit includes Cable and Battery Charger	3.50
IC676ACC001	VersaMax IP Point Labels - Qty 50	3.72
IC676ACC002	Protective Caps -Male (For unused I/O connectors and/or outgoing bus & power connectors) - Qty 5	3.72
IC676ACC003	Protective Caps -Female (For unused incoming power connectors) - Qty 5	3.72
IC676ACC004	Profibus Network Termination Resistor	3.72
IC676ACC005	Profibus Network Tee	3.72
IC676CBLPBB003	IP67 Profibus Cordset - 0.3 Meters	3.72
IC676CBLPBB005	IP67 Profibus Cordset - 0.5 Meters	3.72
IC676CBLPBB010	IP67 Profibus Cordset -1 Meter	3.72
IC676CBLPBB020	IP67 Profibus Cordset - 2 Meters	3.72
IC676CBLPBB050	IP67 Profibus Cordset - 5 Meters	3.72
IC676CBLPBB100	IP67 Profibus Cordset -10 Meters	3.72
IC676CBLPBF020	IP67 Profibus Cordset - 2 Meters - Female Connector w/Leads	3.72
IC676CBLPBF050	IP67 Profibus Cordset - 5 Meters - Female Connector w/Leads	3.72
IC676CBLPBF100	IP67 Profibus Cordset -10 Meters -Female Connector w/Leads	3.72
IC676CBLPBM020	IP67 Profibus Cordset - 2 Meters, Male Connector w/Leads	3.72
IC676CBLPBM050	IP67 Profibus Cordset - 5 Meters, Male Connector w/Leads	3.72
IC676CBLPBM100	IP67 Profibus Cordset -10 Meters -Male Connector w/Leads	3.72
IC676CBLPW003	IP67 Power Cordset - 0.3 Meters	3.72
IC676CBLPW005	IP67 Power Cordset - 0.5 Meters	3.72
IC676CBLPW010	IP67 Power Cordset -1 Meter	3.72
IC676CBLPW020	IP67 Power Cordset - 2 Meters	3.72
IC676CBLPW050	IP67 Power Cordset - 5 Meters	3.72
IC676CBLPW100	IP67 Power Cordset -10 Meters	3.72
IC676CBLPWF020	IP67 Power Cordset - 2 Meters - Female Connector w/Leads	3.72
IC676CBLPWF050	IP67 Power Cordset - 5 Meters - Female Connector w/Leads	3.72
IC676CBLPWF100	IP67 Power Cordset -10 Meters -Female Connector w/Leads	3.72
IC676CBLPWM020	IP67 Power Cordset - 2 Meters - Male Connector w/Leads	3.72
IC676CBLPWM050	IP67 Power Cordset - 5 Meters - Male Connector w/Leads	3.72
IC676CBLPWM100	IP67 Power Cordset -10 Meters -Male Connector w/Leads	3.72
IC676PBI008	8 Point Input Module, Profibus	3.69
IC676PBI016	16 Point Input Module, Profibus	3.69
IC676PBM442	4 Point Input and 4 Point (2 Amp) Output Module, Profibus	3.69
IC676PBO082	8 Point (2 Amp) Output Module, Profibus	3.69
IC677ABI004	Expansion VersaMax IP Modular slave with (4) analog inputs	3.71