



### Resistive I/O Module

The Resistive module allows the user to easily connect to resistive loads without the need of external devices.

#### IC695ALG600 Resistive

#### IC695ALG508 Resistive

	IC695ALG600 Resistive	IC695ALG508 Resistive
<b>Product Name</b>	<b>Universal Analog and configurable for Current, Voltage, RTD, Thermocouple and Resistive. High Density (8 Channel) Requires Cold Junction Compensation; are available for Thermocouple configurations (IC695ACC600 contains 2 CJs)</b>	<b>Isolated Resistive Input module (also supports RTD) provides eight isolated differential Resistive or RTD input channels. Each channel can be individually configured for 2, 3, 4 wire RTD or Resistance.</b>
<b>Lifecycle Status</b>	Active	Active
<b>Module Type</b>	Resistive Input	Resistive (and RTD) Input Channel to Channel Isolation
<b>Backplane Support</b>	Universal Backplane Only. Uses PCI Bus.	Universal Backplane Only. Uses PCI Bus.
<b>Number of Slots Module Occupies on Backplane</b>	1	1
<b>Range</b>	0 to 250 / 500 / 1000 / 2000 / 3000 / 4000 Ohms	250 / 500 / 1000 / 2000 / 3000 / 4000 Ohms
<b>Diagnostics</b>	Open wire, short circuit, positive/negative rate of change, High, High-High, Low, Low-Low	Open wire, short circuit, positive/negative rate of change, High, High-High, Low, Low-Low
<b>Number of Channels</b>	8	8
<b>Channel-to-Channel Isolation</b>	Two Groups of Four	250 VAC Continuous 1500 VAC 1 minute 2550 VDC 1 second
<b>Notch Filter</b>	Yes	N/A
<b>Resolution</b>	32-bit IEEE floating point or 16-bit integer (in 32-bit field) input data format	32-bit IEEE floating point or 16-bit integer (in 32-bit field) input data format
<b>Accuracy</b>	Calibrated Accuracy at 25°C. Better than 0.1% of range. Accuracy depends on A/D filter, data format, input noise, and ambient temperature.	Calibrated Accuracy at 25°C. Typical is ± 0.5%
<b>Input Impedance</b>	>1M ohm	N/A
<b>Input Filter Response</b>	Configurable: 8Hz, 12Hz, 16Hz, 40Hz, 200Hz, 1000Hz	Configurable: 2.3Hz, 4Hz, 4.7Hz, 24Hz, 28Hz
<b>A/D Conversion Type</b>	Sigma Delta	Sigma Delta
<b>A/D Conversion Time</b>	(Assumes 2 ADC's running in parallel, no CJC or lead resistance) 10ms per Channel 4 Channels = 40ms (1KHz filter) 127ms per Channel 4 Channels = 508ms (8Hz filter) Channels that are disabled are not scanned, shortening scan time.	15 msec @ 28 Hz to 120 msec @ 2.3 Hz
<b>Maximum Voltage Input</b>	±14.5 VDC continuous	N/A
<b>Connector Type</b>	IC694TBBx32, IC694TBSx32 or IC694TBC032. Sold Separately.	IC694TBBx32, IC694TBSx32 or IC694TBC032. Sold Separately.
<b>Internal Power Used</b>	400 mA @ 5 V; 350 mA @ 3.3 V	150 mA @ 5 V; 300 mA @ 3.3 V