

FLEX I/O 1794

Product Data Sheet

1794-IE8

Eight Channel Analog Input Module

ANALOG INPUTS 8 single-ended, non-isolated	FLEXBUS CURRENT 15 mA at 5 V DC	EXTERNAL SUPPLY RANGE 10.5 to 31.2 V DC	EXTERNAL SUPPLY CURRENT 60 mA at 24 V DC
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Allen-Bradley 1794-IE8 is an eight channel analog input module in the FLEX I/O 1794 range. It is used for acquiring analog field signals in distributed I/O stations in compatible industrial automation systems.

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VERIFIED TECHNICAL DATA

Analog inputs	8 single-ended, non-isolated
Flexbus current	15 mA at 5 V DC
External supply range	10.5 to 31.2 V DC
External supply current	60 mA at 24 V DC
Voltage input ranges	0 to 10 V or ± 10 V
Current input ranges	0 to 20 mA or 4 to 20 mA
Input resolution	12 bit unipolar; 11 bit plus sign bipolar
Input conversion period	256 micros, all channels
Voltage input impedance	100 kohm
Current input impedance	238 ohm

ADDITIONAL PRODUCT DATA

Voltage step response	9.4 ms to 63% full scale
Current step response	18.2 ms to 63% full scale
Absolute accuracy	0.20% full scale at 25 deg C
Maximum power dissipation	3 W at 31.2 V DC
Operating temperature	-20 to 55 deg C

DOCUMENTED USE SETTINGS

Water Supply and Municipal Wastewater Treatment: Municipal Water Supply Control.

Chemical and Petrochemical Manufacturing and Production: Chemical Production Process Automation.

Food Processing and Beverage Production: Food Processing and Production.

SYSTEM COMPATIBILITY

Integrate 1794-IE8 only in the documented FLEX I/O 1794 configuration. Match the installed interfaces and the engineered application before selecting this eight channel analog input module.

PRODUCT EVIDENCE

Rockwell1794-TD016A-EN-E,09/2013;1794-IE8 column,pp.3 to 4

AMIKON PRODUCT SUPPORT

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