



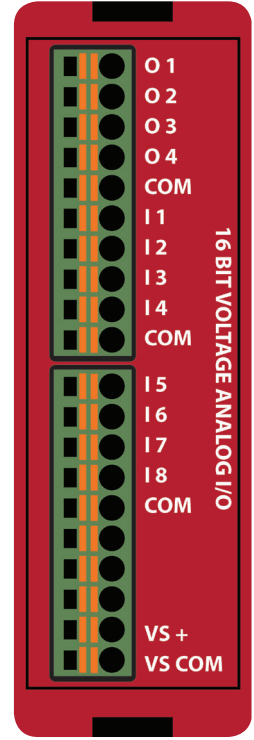
# 16-Bit, 8 pt. Analog In, 4 pt. Analog Output Module (Voltage)

EZRack PLC

**EZRPL-IO-8ANI4ANOV-16BIT**  
**\$299**

Module Specifications		
Analog Voltage Input Specs	Number of Channels	8 Single ended
	Input Range	0-10 VDC
	Resolution	16-bit (1-65535)
	Step Response	14.5µs max
	Crosstalk	1/2 count max, -120dB
	Input Impedance	>10MΩ
	Absolute Max Ratings	12V ±100mA
	Converter Type	successive approximation
	Linearity Error (end to end)	±2 LSB, .006% of range
	Input Stability	65 counts, 0.1%
	Gain Error	±8 LSB, 0.025% of range
	Offset Calibration Error	±5 LSB, 0.015% of range
	Max Inaccuracy	0.1% @ 25° C
Accuracy vs. Temperature	± 1 ppm/°C	
Analog Voltage Output Specs	Number of Channels	4 Single ended
	Output Range	0-10 VDC
	Resolution	16-bit (1-65535)
	Conversion Settling Time	10µs max
	Crosstalk	1/2 count max, -100dB
	Peak Output Voltage	16 VDC
	Offset Error	±0.5% of range
	Gain Error	±0.5% of range
	Linearity Error (end to end)	±2 LSB
	Max Inaccuracy	0.5% @ 25° C
Load Impedance	2KΩ min.	
Load Capacitance	0.01µF max.	
Accuracy vs. Temperature	5ppm/°C	

Pinout Information			
1	Output(1)	11	Input(5)
2	Output(2)	12	Input(6)
3	Output(3)	13	Input(7)
4	Output(4)	14	Input(8)
5	COM	15	COM
6	Input(1)	16	Not Connected
7	Input(2)	17	Not Connected
8	Input(3)	18	Not Connected
9	Input(4)	19	+VS
10	COM	20	VS-COM



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