

# EZRIO Selection Guide and Specifications

EZRIO Model Specifications								
Part Number	<b>Snap-in I/O Module base</b> EZRIO-A-32 - Standard \$129 EZRIO-A-32E - Ethernet \$228 EZRIO-D-32 - Standard \$111 EZRIO-D-32E - Ethernet \$210		<b>Snap-in I/O Module base</b> EZRIO-A-48 - Standard \$168 EZRIO-A-48E - Ethernet \$267 EZRIO-D-48 - Standard \$150 EZRIO-D-48E - Ethernet \$249		<b>Snap-in I/O Module base</b> EZRIO-A-64 - Standard \$188 EZRIO-A-64E - Ethernet \$287 EZRIO-D-64 - Standard \$170 EZRIO-D-64E - Ethernet \$269		<b>Snap-in I/O Module base</b> EZRIO-A-96 - Standard \$219 EZRIO-A-96E - Ethernet \$318 EZRIO-D-96 - Standard \$190 EZRIO-D-96E - Ethernet \$289	
	<b>Screw-down I/O Module base</b> EZRIOP-A-32 - Standard \$159 EZRIOP-A-32E - Ethernet \$259 EZRIOP-D-32 - Standard \$149 EZRIOP-D-32E - Ethernet \$249		<b>Screw-down I/O Module base</b> EZRIOP-A-48 - Standard \$225 EZRIOP-A-48E - Ethernet \$325 EZRIOP-D-48 - Standard \$199 EZRIOP-D-48E - Ethernet \$299		<b>Screw-down I/O Module base</b> EZRIOP-A-64 - Standard \$249 EZRIOP-A-64E - Ethernet \$349 EZRIOP-D-64 - Standard \$225 EZRIOP-D-64E - Ethernet \$325		<b>Screw-down I/O Module base</b> EZRIOP-A-96 - Standard \$289 EZRIOP-A-96E - Ethernet \$389 EZRIOP-D-96 - Standard \$259 EZRIOP-D-96E - Ethernet \$359	
Specifications	EZRIO models with "E" suffix are built with 10/100 Base-T Ethernet with a standard RJ45 connector							
	4 Slot EZRIO AC Powered	4 Slot EZRIO DC Powered	6 Slot EZRIO AC Powered	6 Slot EZRIO DC Powered	8 Slot EZRIO AC Powered	8 Slot EZRIO DC Powered	12 Slot EZRIO AC Powered	12 Slot EZRIO DC Powered
Input Voltage Range	110 VAC (95-125VAC)	24VDC (20-28VDC)	110 VAC (95-125VAC)	24VDC (20-28VDC)	110 VAC (95-125VAC)	24VDC (20-28VDC)	110 VAC (95-125VAC)	24VDC (20-28VDC)
Maximum I/O Capacity	4 Slot Base (32/I/O Max)		6 Slot Base (48/I/O Max)		8 Slot Base (64/I/O Max)		12 Slot Base (96/I/O Max)	
Power Supply Capacity	3.3V @ 1 Amp							
CPU & Support Electronics Power	300mA							
I/O Module Power (typical)	25mA							
DeviceNet/Profibus Interface Power	DeviceNet 50mA Profibus 100mA							
Maximum Power Consumption	10 watts		11 watts		12 watts		15 watts	
CPU Processor	32 Bit, 40 MHz RISC Processor							
Memory Available	64 KB (Ladder)							
Total # of Registers	8192 16Bit							
Typical Scan Time	3ms (1K Boolean)							
Real Time Clock/Calendar	Built-in							
Built-In Battery Backup	Yes, Lithium coin cell battery with 5 year life expectancy, with a low battery indicator							
LED Indicators	Input Power, CPU Status (Run, Program & Run/Program) , Low Battery and RS232 Programming Port active indicators							
I/O Supported	EZIO Snap-in modules with status LEDs and Removable Terminal Block DC / AC / Analog / Relay / Thermocouple / High Speed Counter / DeviceNet / Profibus							
Operating Temperature	-10C to 60C							
Storage Temperature	-20C to 70C							
Humidity	10-95% Non-Condensing							
Electrical Noise	Nema ICS 2-230 Showering arc; ANSI C37.90a SWC; Level C Chattering Relay Test (pending)							
Agency Approval	UL, CUL, CE (pending)							
Withstand Voltage	1000VDC (1 minute) between power supply input terminal and protective ground)							
Insulation Resistance	Over 20M Ohm between power supply input and terminal and protective ground							
Vibration	5 to 55Hz 2G's for 2 hours in X,Y,and Z axis							
Shock	10G for under 12ms in the X,Y, and Z axis							
Protocols Supported	ASCII In/Out on RS422/485 port; EZ Protocol on Ethernet and RS232 port DeviceNet Slave option card (EZRIO-DeviceNet), and Profibus Slave option card (EZRIO-Profibus)							
Communication Ports	<b>Standard Model:</b> Port 1: RS232 (Programming and HMI Port Only with EZ Protocol) Port 2: RS422 (1.2K, 2.4K, 4.8K, 9.6K, 19.2K, and 38.4K Baud Rates supported) ASCII In/Out							
	<b>Ethernet Model:</b> Port 1: RS232 (Programming and HMI Port Only with EZ Protocol) Port 2: RS422 (1.2K, 2.4K, 4.8K, 9.6K, 19.2K, and 38.4K Baud Rates supported) ASCII In/Out Port 3: Ethernet TCP/IP with EZ Protocol for programming or interface to an HMI							
External Dimensions	5.75" x 4.868" x 3.124" (146.05 x 123.65 x 79.356mm)		8.35" x 4.868" x 3.124" (212.09 x 123.65 x 79.356mm)		9.21" x 5.818" x 3.124" (233.93 x 147.78 x 79.356mm)		14.908" x 5.173" x 3.124" (378.65 x 131.4 x 79.356mm)	