

EZRIO Selection Guide and Specifications

| EZRIO Model Specifications | | | | | | | | |
|------------------------------------|--|-------------------------|--|-------------------------|--|-------------------------|--|--------------------------|
| Part Number | Screw-down I/O Module base EZRIOP-A-32 - Standard EZRIOP-A-32E - Ethernet EZRIOP-D-32 - Standard EZRIOP-D-32E - Ethernet | | Screw-down I/O Module base EZRIOP-A-48 - Standard EZRIOP-A-48E - Ethernet EZRIOP-D-48 - Standard EZRIOP-D-48E - Ethernet | | Screw-down I/O Module base EZRIOP-A-64 - Standard EZRIOP-A-64E - Ethernet EZRIOP-D-64 - Standard EZRIOP-D-64E - Ethernet | | Screw-down I/O Module base EZRIOP-A-96 - Standard EZRIOP-A-96E - Ethernet EZRIOP-D-96 - Standard EZRIOP-D-96E - Ethernet | |
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| 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 | EZ/I/O 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 | | | | | | | |
| 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 | Standard Model: 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 | | | | | | | |
| | Ethernet Model: 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) | |