



# EZPLC Nano & Micro Selection Guide and Specifications

EZPLC Model Specifications						
<b>Part Number</b>	EZPLCN-D-16-8R	\$149		EZPLCM-D-24-8-8R	\$249	
	EZPLCN-D-F16-8R	\$149		EZPLCM-D-F24-8-8R	\$269	
	EZPLCN-D-F16-8R-485	\$169		EZPLCM-D-F24-8-8R-485	\$299	
				EZPLCM-D-24-8-8R-2AI2AOC	\$399	
				EZPLCM-D-24-8-8R-4AI4AOV	\$399	
				EZPLCM-D-F24-8-8R-2AI2AOC	\$399	
				EZPLCM-D-F24-8-8R-4AI4AOV	\$399	
				EZPLCM-D-F24-8-8R-2AI2AOC-485	\$409	
				EZPLCM-D-F24-8-8R-4AI4AOV-485	\$409	
<b>Specifications</b>	EZPLC Nano DC Power		EZPLC Micro DC Power			
<b>Input Voltage Range</b>	24VDC (20-28VDC)					
<b>I/O Base</b>	Fixed					
<b>Inputs</b>	16 DC input, 2 can be configured for 20 KHz Encoder		24 DC Inputs			
<b>Outputs</b>	8 Relay outputs, 10A/point		8 DC Out, 8 Relay out, 10A/point			
<b>Power Supply Capacity</b>	3.3V @ 1 Amp					
<b>CPU &amp; Support Electronics Power</b>	300mA					
<b>I/O Module Power</b>	25mA					
<b>Maximum Power Consumption</b>	10 watts					
<b>CPU Processor</b>	32 Bit, 40 MHz RISC Processor					
<b>Total Memory</b>	64 KB (Ladder)					
<b>Total # of Registers</b>	8192 16Bit					
<b>Typical Scan Time</b>	3ms (1K Boolean)					
<b>Real Time Clock/Calendar</b>	No, but available thru EZTouch					
<b>Data/Program Storage/Battery Backup</b>	Both Stored in Flash, No Battery					
<b>Operating Temperature</b>	-10° C to 60° C					
<b>Storage Temp.</b>	-20° C to 70° C					
<b>Humidity</b>	10-95% Non-Condensing					
<b>Electrical Noise</b>	Nema ICS 2-230 Showering arc; ANSI C37.90a SWC; Level C Chattering Relay Test					
<b>Agency Approval</b>	UL, CUL, CE					
<b>Withstand Voltage</b>	1000VDC (1 minute) between power supply input terminal and protective ground)					
<b>Insulation Resistance</b>	Over 20M Ohm between power supply input and terminal and protective ground					
<b>Vibration</b>	5 to 55Hz 2G's for 2 hours in X,Y,and Z axis					
<b>Shock</b>	10G for under 12ms in the X,Y, and Z axis					
<b>Communication Ports</b>	RS232 (Programming and HMI Port Only with EZ Protocol)					
	RS 485					
<b>External Dimensions</b>	5.94" x 4.89" x 3.27" (150.75 x 124.16 x 83.10mm)		7.35" x 4.89" x 3.27" (186.69 x 124.16 x 83.10mm)			

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<b>Part Number</b>	Screw-down I/O Module base EZPLCPJ-A-32 - \$129 EZPLCPJ-D-32 - \$119		Screw-down I/O Module base EZPLCP-A-32 - Standard \$259 EZPLCP-A-32E - Ethernet \$279 EZPLCP-D-32 - Standard \$299 EZPLCP-D-32E - Ethernet \$349		Screw-down I/O Module base EZPLCP-A-48 - Standard \$369 EZPLCP-A-48E - Ethernet \$399 EZPLCP-D-48 - Standard \$399 EZPLCP-D-48E - Ethernet \$449		Screw-down I/O Module base EZPLCP-A-64 - Standard \$399 EZPLCP-A-64E - Ethernet \$449 EZPLCP-D-64 - Standard \$399 EZPLCP-D-64E - Ethernet \$449		Screw-down I/O Module base EZPLCP-A-96 - Standard \$499 EZPLCP-A-96E - Ethernet \$599 EZPLCP-D-96 - Standard \$399 EZPLCP-D-96E - Ethernet \$499	
<b>Specifications</b>	EZPLC models with "E" suffix are built with 10/100 Base-T Ethernet with a standard RJ45 connector									
	4 Slot EZPLC Jr AC Power	4 Slot EZPLC Jr. DC Power	4 Slot EZPLC AC Power	4 Slot EZPLC DC Power	6 Slot EZPLC AC Power	6 Slot EZPLC DC Power	8 Slot EZPLC AC Power	8 Slot EZPLC DC Power	12 Slot EZPLC AC Power	12 Slot EZPLC DC Power
<b>Input Voltage Range</b>	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)	110 VAC (95-125VAC)	24VDC (20-28VDC)
<b>Maximum I/O Capacity</b>	4 Slot Base (32/I/O Max)		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)	
<b>Power Supply Capacity</b>	3.3V @ 1 Amp									
<b>CPU &amp; Support Electronics Power</b>	300mA									
<b>I/O Module Power</b>	25mA									
<b>DeviceNet/Profibus Interface Power</b>	NA		DeviceNet 50mA, Profibus 100mA							
<b>Maximum Power Consumption</b>	10 watts		10 watts		11 watts		12 watts		15 watts	
<b>CPU Processor</b>	32 Bit, 40 MHz RISC Processor									
<b>Total Memory</b>	64 KB (Ladder)									
<b>Total # of Registers</b>	8192 16Bit									
<b>Typical Scan Time</b>	5ms (1K Boolean)					3ms (1K Boolean)				
<b>Real Time Clock/Calendar</b>	NA					Built-in				
<b>Battery Backup</b>	NA		Yes, Lithium coin cell battery with 5 year life expectancy, with a low battery indicator							
<b>LED Indicators</b>	Input Power, CPU Status (Run, Program & Run/Program) , Low Battery and RS232 Programming Port active indicators									
<b>I/O Supported</b>	EZ I/O Snap-in modules with status LEDs and Removable Terminal Block DC / AC / Analog / Relay / Thermocouple / High Speed Counter / DeviceNet / Profibus									
<b>Operating Temperature</b>	-10C to 60C									
<b>Storage Temp.</b>	-20C to 70C									
<b>Humidity</b>	10-95% Non-Condensing									
<b>Electrical Noise</b>	Nema ICS 2-230 Showering arc; ANSI C37.90a SWC; Level C Chattering Relay Test									
<b>Agency Approval</b>	UL, CUL, CE									
<b>Withstand Voltage</b>	1000VDC (1 minute) between power supply input terminal and protective ground)									
<b>Insulation Resistance</b>	Over 20M Ohm between power supply input and terminal and protective ground									
<b>Vibration</b>	5 to 55Hz 2G's for 2 hours in X,Y,and Z axis									
<b>Shock</b>	10G for under 12ms in the X,Y, and Z axis									
<b>Communication Ports</b>	RS232		<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							
	NA		<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							
<b>External Dimensions</b>	5.75" x 4.868" x 3.124" (146.05 x 123.65 x 79.356mm)		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)	