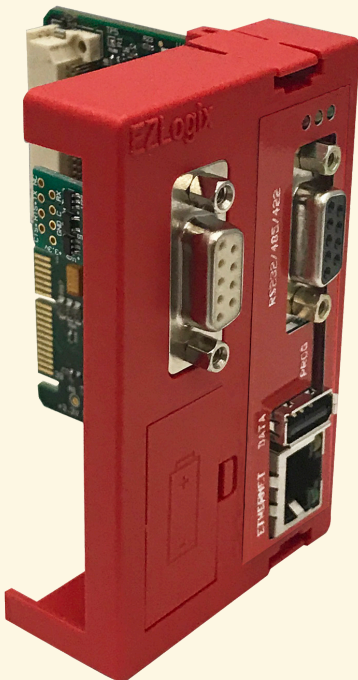


# EZRack PLC CPU Selection Guide and Specifications

**EZRPL-CPU-1UE**

**EZRPL-CPU-2UE**


EZRack PLC CPU Specifications				
Feature	EZRPL-CPU-1UE	\$149	EZRPL-CPU-2UE	\$199
Total Memory (bytes)	37.02 MB			
Ladder Memory (instruction words)	500,000 instruction words			
Data Memory	Internal Bits	1024		
	Internal Registers	16384		
Current Consumption	400mA			
Boolean execution/K	2.4 ms			
Interrupt Instruction Response Time	50 µs			
Programming Software for Windows	Free EZRack PLC Designer Pro			
Built-In communications ports	RS232/422/485 Ethernet 10/100Mbps		2 RS232/422/485 Ethernet 10/100Mbps	
Program Memory	Flash			
Data Logging	Yes, USB (Up to 64 Gb)			
USB Programming	Yes			
PLC Simulation	Yes			
IIoT Ready	Yes, MQTT Protocol			
LED Indicators	Input Power, Program Run, Low Battery, USB Logging			
I/O Modules Supported	AC, DC, Analog, Relays with Removable Terminal Block & LED Indicator per I/O			
Operating Temperature	-20 to 60°C (-4 to 140° F)			
Storage Temperature	-40 to 85°C (-40 to 185° F)			
Max Number of Ethernet slaves per Channel	4			
Discrete I/O Module Point Density	8/12/16			
Slots per Base	3/5/7			
Number of instructions available	>70			
Control relays	131,072			
Timers	256 (default)			
Counters	256 (default)			
Immediate I/O	Yes			
Subroutines	Functions Block, up to memory limit			
Drum Sequencer	Yes, up to memory limit			
Loops	FOR/NEXT/JUMP loops			
Math	Yes, Advanced Function Blocks: Integer, Floating Point, Trigonometric, Logical, Bitwise			
ASCII	Yes, Send/Receive			
PID Loop Control, Built In	Yes, Auto-tuned			
Time of Day Clock/Calendar	Yes RTC			
Run Time Edits	Yes			
Supports True Force	Yes			
Internal Diagnostics	Yes			
Password security	Yes			
Battery backup	Yes (Battery included)			
Shock	30g (IEC 60068-2-27)			
Vibration	2g @ 10...500 Hz (IEC 60068-2-6)			
Electrical Noise	Nema ICS 2-230 Showering arc; ANSI C37.90a SWC; Level C Chattering Relay Test			
ESD Immunity	6kV contact discharge (IEC 61000-4-2)			
Agency Approvals	CE, UL, cUL			