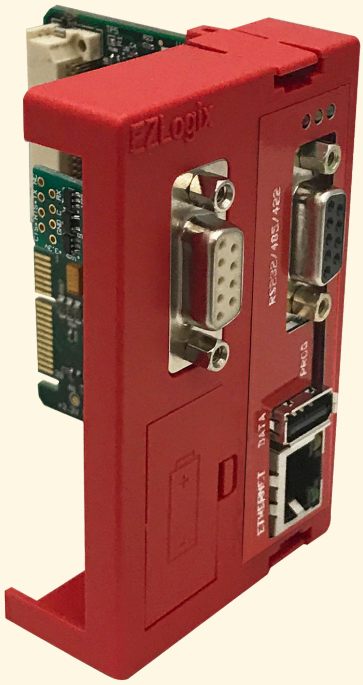
EZRack PLC CPU Selection Guide and Specifications

EZRPL-CPU-1UE

EZRPL-CPU-2UE



EZRack PLC CPU Specifications			
Feature		EZRPL-CPU-1UE	EZRPL-CPU-2UE
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, Trignometric, 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	

Uticor AVG Pty Ltd T: 61 2 9482 4000
W: www.ezautomation.com.au
W: www.uticor.com