

# AC500 ECO V3 Programmable Logic Controller

The AC500 ECO V3 PLC is a compact and cost-effective programmable logic controller designed for a wide range of industrial automation applications. This PLC features a modular design, allowing for flexible configuration and expansion with various I/O modules.



## Overview

### Compact Automation Solution

The AC500 ECO V3 is a comprehensive range of programmable logic controllers designed for entry-level automation solutions. It provides a ready-to-go architecture with all necessary components onboard, ensuring seamless scaling across three distinct performance classes: Basic, Standard, and Pro. This controller is engineered for demanding control tasks, offering high processing power and robust construction suitable for harsh industrial environments.

## Performance & Memory

### Instruction Processing Time

**0.02 s/instruction**

Processing Time

User Program Memory	8 MB
Remanent Data Storage	100 kB

## Connectivity

### Interface Capabilities

- Up to three RS485 serial interfaces
- One or two independent Ethernet interfaces with switch capability
- Micro memory card slot for data storage and backup

Supported Protocols	Ethernet, RS485, OPC UA, OPC DA, MQTT, TLS, HTML5, FTP(s), SNTP/NTP
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## I/O & Expansion

### Motion Control Features

- Up to four fast counters/encoders
- Up to four PTO/PWM outputs

Onboard I/O Channels	22
Central Expansion	Up to 10 I/O modules (S500 and S500-eCo)

## System Features

### Programming Standard

IEC 61131-3 • Object-Oriented

### Battery-Free Operation

Yes