AC500-eCo CPU provides up to 12 DI, 6 DO, 2 DC, 2 EthernetTM ports, and 3 option boards.

Compact and efficient I/O modules are available in 24 VDC and 120/240 VAC.

Combine AC500 and AC500-eCo flexible I/O module types into the same system to efficiently meet your application needs.

Configurable (DI or DO), and Positioning modules increase flexibility. Available with Extreme Condition ratings.

AC500 CPUs are compatible with all modules. Safety, Hot Swap, and other modules are available with the AC500 CPU.
ABB Automation Products
Helping OEMs build better machines

ABB is uniquely positioned to deliver superior, comprehensive automation solutions to meet your needs. As a global market leader in drives, motors, PACs, communications, and services, ABB has what it takes to fully support you with today’s demanding industrial applications.

End-to-end product portfolio
ABB provides a wide range of scalable PACs, HMIs, VFDs, and motors. With functional safety options, from built-in safe torque off to safety PLCs, you can readily incorporate safety into your machine.

- Leverage a powerful line of PACs to meet your needs, from stand-alone applications with limited I/O, to applications with thousands of I/O, extensive data handling and complex communications needs.
- Leverage the same programming software for all ACS580 and ACS280-eCO systems. Learn it once, use it for all.
- Mix and match 37 unique I/O module types to save space and reduce cost while meeting specific needs.
- Take advantage of Ethernet ports on every CPU and over 20 communication protocols to connect to the devices and networks you need.
- Benefit from all-compatible drives for interface, process, business, and environmental consistency.
- Take advantage of an extensive range of HMIs to provide the performance you require.
- Use ABB Drive Faceplates (operator interface screens) to monitor, control, and diagnose up to eight drives from outside the enclosure.
- Address extreme conditions, such temperature, vibration, corrosive atmospheres, and more than eight conditions PAC modules, drives, HMIs, and motors.
- Choose from a full line of both NEMA and IEC motors.

Tools that make it easy

- Commission, program, and simulate using a single tool for PACs, safety, drives, HMI, and networks.
- Start with the ABB’s Drive Library to quickly implement programming for drive control and communication.
- Choose the communication protocol to access the network you need, from fieldbus, to enterprise, to IIoT.
- Make IIoT integration easy with a web server with HTML5 web visualization and integrated OPC UA and MQTT.

With you every step of the way

Even before you buy a PAC, HMI, drive, or motor, ABB’s experts are on hand to offer technical advice from dimensioning through to potential energy saving. When you've decided on the right products, ABB and its partners can help with installation and commissioning. They are also on hand throughout the operations and maintenance phases of the products’ life cycle, providing preventive maintenance programs tailored to your customers’ needs.

Actual size 2HP ACS380 Drive from the ABB All-Compatible Drive family

Tools that make it easy

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