

Getting started is as easy as 1, 2, 3 More functionality and enhanced scalability



New AC500-eCo Starter kits

The AC500-eCo Starter kits help you to get familiar with ABB AC500 PLC offerings and the engineering tool within a very short time. Learn how to connect and setup the components provided in the starter kit and how to program the PLC by means of several simple example applications.

All starter kits come with CPU, programming cable, digital input simulator, PS501 Control Builder Plus engineering tool and getting started handbook. The four variants differ from the CPU included – AC or DC power supply input, relay or transistor type output, with or without Ethernet interface.

Easy to use

The AC500-eCo from ABB is a range of uniquely scalable PLCs offering you unrivalled cost effectiveness for modern industrial automation applications. The AC500-eCo integrates perfectly into the AC500 family - this provides you with the option to build customized solutions based on the standard S500 and S500-eCo I/O range.

Easy to learn

Offering all of the advantages you would expect from the AC500 family of devices, the AC500-eCo delivers an impressive set of powerful programming features. In addition, thanks to the fact that ABB uses a common CoDeSys-based programming system for the entire AC500 family, it is a snap to learn and configure.

Program ABB PLCs with PS501 Control Builder Plus

- One tool for programming and configuration of PLCs: AC500, AC500-eCo and specific LV drives offered by ABB
- Powerful IEC 61131-3 programming functionality: Programming in all five IEC 61131-3 languages
- Advanced visualization setup
- Convenient diagnostics and debugging
- Easy network and fieldbus configuration
- Online changes to multiple PLCs in Ethernet networks



AC500-eCo CPUs

- 128 kB program memory, program processing time 0.08 µs/instruction
- 1 onboard RS485 serial interface (2nd is optional)
- Centrally expandable with up to 10 I/O modules (standard S500 and/or S500-eCo modules can be mixed)
- Optional SD card adapter for data storage and program backup
- Fast counter up to 50 kHz: 2 counters up/down, max. 50 kHz, A/B track 1 counter, single pulse 35 kHz, double pulse 30 kHz, quad pulse 15 kHz
- Modbus data can be directly stored in the non volatile area of the internal data memory
- File handling including ZIP and UNZIP functionality
- FTP server features for Ethernet CPUs

Web server for Ethernet CPUs

- Create your own visualization for up to three clients (with web browser) which can be connected to the CPU.
- Suitable for your demands, the visualization can be programmed within CoDeSys (Web Visualization).
- 512 kBytes of memory are available in the CPU for storage of the web pages.

More information

The www.abb.com/plc website contains product information, documentation (e.g. handbooks), Frequently Asked Questions, application examples, success stories and more. You can also download the latest CPU firmware updates by clicking the link Firmware Updates available on the English website. Learn how to start, create or test projects with the AC500 product range on ABB's YouTube channel for AC500 PLCs at www.youtube.com/abbplc.

Starter kits AC500-eCo CPU

Type	Description	Order code
	Each kit comes with CPU, programming cable, digital input simulator, PS501 starter kit version and "Getting started" handbook.	
TA574-A-R-AC	Starter kit with CPU PM564-R-AC, 100-240 V AC power supply input, relay output, serial/USB programming cable	1SAP 186 200 R0001
TA574-A-R	Starter kit with CPU PM564-R, 24 V DC power supply input, relay output, serial/USB programming cable	1SAP 186 200 R0002
TA574-A-T	Starter kit with CPU PM564-T, 24 V DC power supply input, transistor output, serial/USB programming cable	1SAP 186 200 R0003
TA574-D-T-ETH	Starter kit with CPU PM554-T-ETH, 24 V DC power supply input, transistor output, CPU with Ethernet interface, Ethernet programming cable	1SAP 186 200 R0004

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