AC500-eCo CPU modules
Web server, enhanced scalability and more
More functionalities with new CPU firmware version

For AC500-eCo CPU modules, several new features are included in the latest firmware and programming software version:

More communication
Data can be distributed to other systems, as well as worldwide via the web. Access via most internet browsers or one of the many FTP clients.

– Web server for all 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. The system's integrated, license-free web server is a snap to configure with PS501 Control Builder Plus.
– FTP server for all Ethernet CPUs: for transferring data files.

More scalability
The scalability offered by AC500-eCo gives you the assurance of knowing that the system is able to grow with your needs.

– 10 I/O modules: 3 modules more than with previous CPU firmware versions can be connected to the I/O-bus of the AC500-eCo CPU; as usual standard S500 and S500-eCo modules can be mixed.

More new features
ABB's system designers have packed an impressive array of features into the range.

– 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.

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Multiple communication options

From the drawing-board up, ABB's engineers designed the AC500-eCo family with communication in mind. It's no surprise, therefore, that our package comes with a comprehensive range of communication options as standard.

– The serial COM1 interface (RS485) can be used for programming, communication or remote I/O (protocols MODBUS-RTU Master/Slave, CS31 Master for Remote I/O or programmable ASCII).
– The optional serial COM 2 interface (RS485) can be used for programming or communication (protocols MODBUS-RTU Master/Slave or programmable ASCII).
– The Ethernet interface (Ethernet CPU variants) can be used for programming and communication (protocols DHCP, UDP, Modbus-TCP Master/Slave, HTTP and FTP).

Downloading procedure

For existing customers, the new CPU firmware V2.1.3 is available for updating the AC500-eCo CPU hardware. Together with the new V2.1 version of the PS501 Control Builder Plus engineering tool, the new features are available for AC500-eCo CPUs.

– For downloading the latest PS501 Control Builder Plus software patches and CPU firmware updates, please visit www.abb.com/plc.
– Choose English for the language and click on the Links Firmware Updates and PS501 Updates.
– Installation instructions in English are included in the download files.

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