More power. More convenience. More possibilities.
Innovations for SIMATIC S7-200

new

micro automation
SIMATIC S7-200

SIEMENS

Even more power in every detail –
Innovations at a glance

The new CPUs

The new CPU 224 and the new CPU 226 have the following features:

- 40 % faster
- Up to 50 % more program memory
- Up to 60 % more data memory
- New memory card for data logging, recipe management, storing Micro/WIN projects, storing documentation in different formats
- PID autotune function
- two-color diagnosis/status LED
- Automatic summertime/wintertime switchover.

And if you're looking for even greater performance – the new Power CPU 224 XP is the answer:

- With two interfaces onboard for expanded communication options with non-Simatic devices. Specially designed for applications with networked controllers, if several components such as HMI, drives etc. are linked to the controller with data exchange via the RS-485 interface
- With two integrated analog inputs and one integrated analog output for specifying the speed of conveyor belts, setting the temperature setpoint or setpoints for pressure regulation and much more
- With 50 % more program memory (compared to CPU 224)
- Plus an additional 25 % data memory (compared to CPU 224)
- Two pulse outputs with 100 KPPS each for connecting a wide array of different drives (TTL – 24VDC)
- High-speed counter 1 x 100 kHz (A/B) or 2 x 200 kHz (TTL – 24VDC) for connecting a wide array of different incremental position encoders.
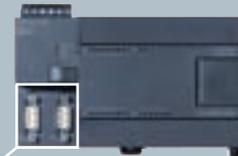
NEW **CPU 224**

14/10 inputs/outputs (I/Os)
+ max. of 7 modules = 168 I/Os
8/12 KB program memory
8 KB data memory

NEW **CPU 224 XP**

14/10 inputs/outputs (I/Os)
+ max. of 7 modules = 168 I/Os
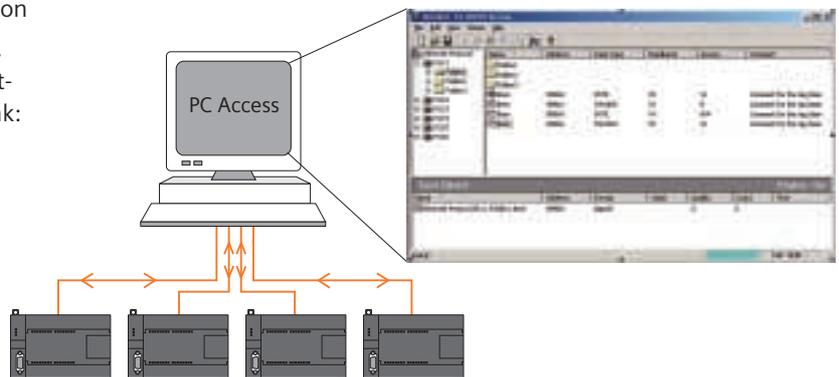12/16 KB program memory
10 KB data memory

NEW **CPU 226**

24/16 inputs/outputs (I/Os)
+ max. of 7 modules = 248 I/Os
16/24 KB program memory
10 KB data memory

New connection: PC Access

A simply perfect basis for exchanging data between the S7-200 and your PC. PC Access serves as the OPC server for S7-200 – that means:

- Use MS Excel to read/write S7-200 data
- OPC client for e.g. ProToolPro, WinCC flexible RT, WinCC, WonderWare etc.

- Interface for visualization
- Max. of 8 connections, regardless of the selected communications link:
- PPI (Smart Cable)
- Modem (EM241)
- Ethernet/IT CP.

PC Access

New: STEP 7 Micro/WIN 4.0

The new software for SIMATIC S7-200 STEP 7 Micro/WIN 4.0 is even easier to use. Many new functions such as trend charts and new, improved wizards for

- PID controllers
- PID autotune control panel
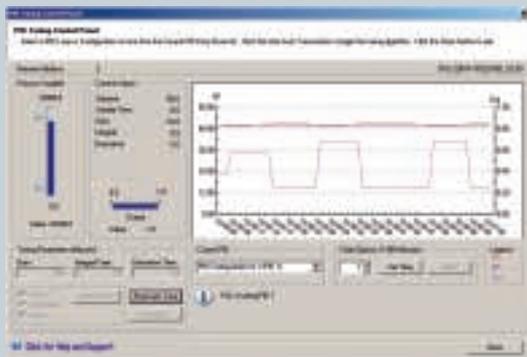- PTO (pulse outputs)
- Data logging
- Recipe management.

Other new features include:

- Segmented data memory
- Improved handling of program architecture and command architecture
- Diagnostic functions such as user-specific LED, fault history, runtime edit with online download.

For Win2000 or Windows XP operating systems or higher

Trend charts

PID autotune control panel

New options for HMI

TD 200 C

- Customized layouts for user interface
- Free choice of colors & shape of keys and surface
- Up to 20 freely configurable keys
- Integration of your own company logo
- Integration of international symbols.

TD 200 C

OP 73micro

- Operator panel with fully graphical 3" display
- Network-capable (PPI, MPI)
- Signaling system with freely definable signal classes
- Five online languages incl. Asian and Cyrillic.

OP 73micro

TP 170micro

- Touch panel with fully graphical 5.7" display
- Network-capable (PPI, MPI)
- Signaling system with freely definable signal classes
- Five online languages incl. Asian and Cyrillic
- Easy to program with WinCC flexible micro.

TP 170micro

Memory cartridge

Whether you're dealing with project documents, recipe handling or data logging: the memory modules are available with 64 KB or 256 KB.

Project documentation

- Bitmap files, PDF files, DOC files
- Complete MW projects can be easily transferred to the memory card with the S7-200 Explorer – that means that the complete, up-to-date user documentation is always available on-site, accessible even without MW.

Recipe handling

- Definition and download of recipes: production data, machine parameters etc.
- Better use of memory thanks to data memory storage in the CPU with only one recipe: online updating and adaptation.

Data logging

- Dynamic storage, e.g. for performance or statistical data as well as fault messages
- Optional time stamp
- Log file transferable to your PC via Explorer.

Ordering data

New products:

Product	MLFB	Avail. from
224 CPU DC/DC/DC	6ES7 214 1AD23 0XB0	08/2004
224 CPU AC/DC/Relay	6ES7 214 1BD23 0XB0	08/2004
224 XP CPU DC/DC/DC	6ES7 214 2AD23 0XB0	08/2004
224 XP CPU AC/DC/Relay	6ES7 214 2BD23 0XB0	08/2004
226 CPU DC/DC/DC	6ES7 216 2AD23 0XB0	08/2004
226 CPU AC/DC/Relay	6ES7 216 2BD23 0XB0	08/2004
Data Logger Cartridge, 256 KB	6ES7 291 8GH23 0XA0	08/2004
Data Logger Cartridge, 64 KB	6ES7 291 8GF23 0XA0	08/2004
Text Display TD 200 C (custom faceplate)	6ES7-272-1AA10-0YA0	08/2004
Blank Faceplate Overlays (for TD 200 C)	6ES7-272-1AF00-7AA0	08/2004
WinCC flexible Micro for TP 170micro	6AV6610-0AA01-0AA0	06/2004
Touch Panel TP 170micro Operating Manual, German	6AV6691-1DB01-0AA0	06/2004
Touch Panel TP 170micro	6AV6640-0CA01-0AX0	06/2004
Starter Package TP 170micro (Touch Panel, Engineering Software and Documentation CD)	6AV6650-0CA01-0AA0	06/2004
Operator Panel OP 73micro	6AV6640-0BA11-0AX0	08/2004
STEP 7-Micro/WIN V4.0 (single license)	6ES7 810 2CC03 0YX0	08/2004
STEP 7-Micro/WIN V4.0 (upgrade license)	6ES7 810 2CC03 0YX3	08/2004
S7-200 PC Access V1.0 (OPC Server) (single license)	6ES7 840 2CC01 0YX0	08/2004
S7-200 PC Access V1.0 (OPC Server) (multi-copy license – 15 licenses)	6ES7 840 2CC01 0YX1	08/2004

Siemens AG

Automation and Drives

Industrial Automation Systems

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