

Industry Sector Industry Automation Division

Nuremberg (Germany), November 6, 2008

Real-time operating system doubles performance power for industrial PCs with dual-core processors

The Siemens Industry Automation Division has added new functions to its rugged RMOS3 real-time operating system for Simatic industrial PCs. With these functions, the PCs can execute dual-core processor tasks in parallel and thus twice as fast. Two new software packages support Profinet communication and remote access to process data.

Version 3.50 of the RMOS3 real-time operating system works with the new Symmetric Multicore Processing (SMP) operating mode, and is suitable for measuring and control tasks in embedded automation systems. Simatic industrial PCs with dual-core technology can therefore be used for complex applications executed in parallel on several process kernels. This doubles PC performance, and dispenses with the additional computers that were previously used, for example for parallel visualization. In this way, users increase the performance power of their applications while simultaneously reducing the costs.

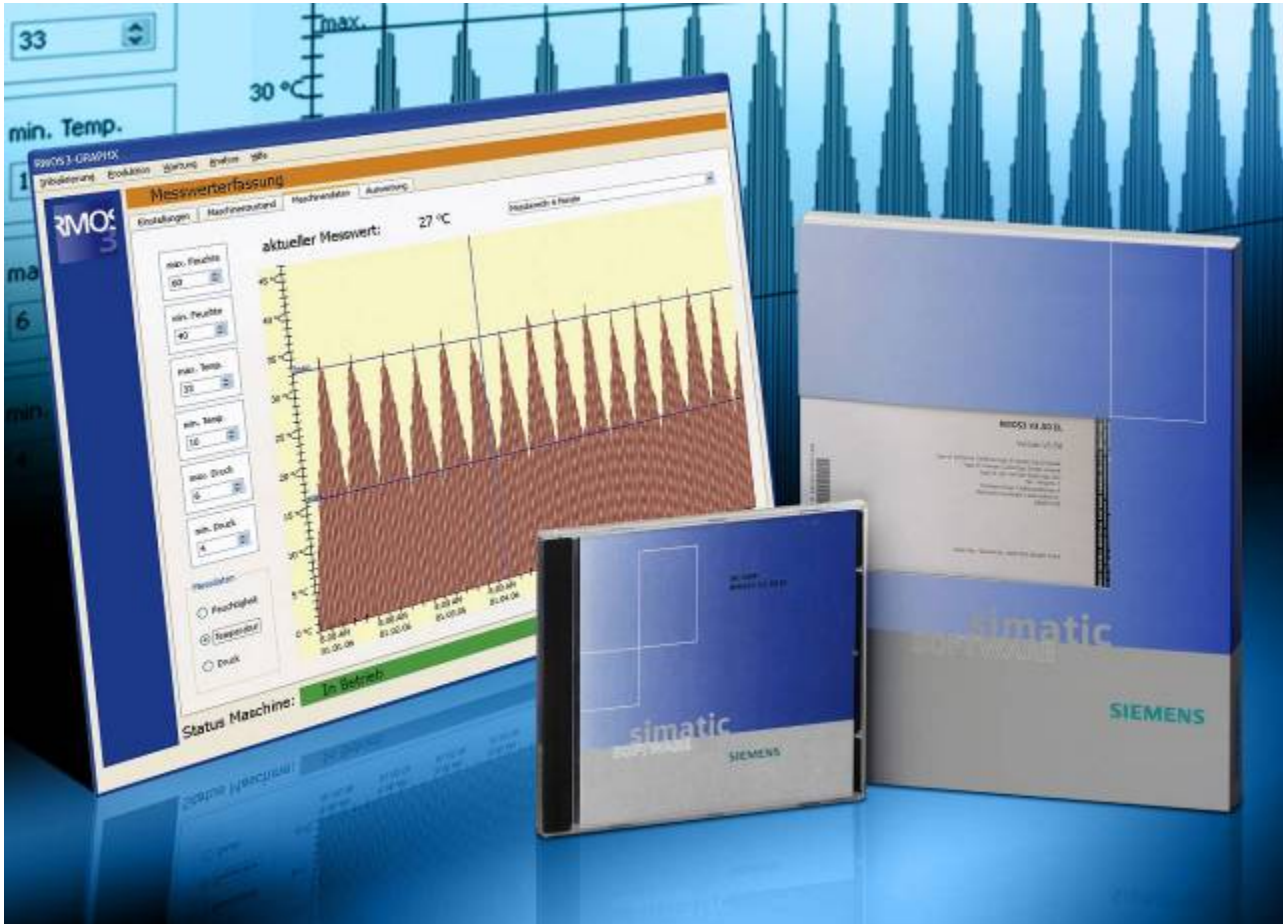
The new BSP SimaticPC V2.1 software package supports isochronous real-time communication via Profinet IO in conjunction with the RMOS3 operating system. This enables high-performance, cyclic and isochronous user data transfer. The software also offers drivers for USB, Ethernet, Profibus DP and CAN, as well as hardware-related functions such as monitoring and diagnostics.

The second new software package RMOS3-Web V1.0 is available free and enables the use of an Internet browser to load process data, access information, and thus carry out remote commissioning or maintenance.

Further information can be found on the Internet at: www.siemens.com/simatic-pc

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