

SPS 2019, Hall 11

Simatic Drive Controller – the new motion controller with integrated drive control

- **Simatic S7-1500 controller with expanded motion control functionality and Sinamics S120 drive control in one device – thus saving space**
- **Powerful for high-end applications, with integrated safety functionality for the controller and drive**
- **Extensive communication interfaces, technology I/Os, as well as cross-PLC synchronous operation for an easy implementation of modular machine concepts**
- **Proven engineering in the TIA Portal**

Siemens is expanding its product portfolio of technology CPUs with the Simatic Drive Controller. The new controller combines a Simatic S7-1500 controller with motion control, technology and safety functionality with a Sinamics S120 drive control in one device, thus saving space. This makes it easy to implement requirements for powerful, compact and flexible automation solutions. The high performance of the new controller is particularly beneficial for applications with many axes where a multi-axis drive system is used – for example in packaging, printing and textile machines.

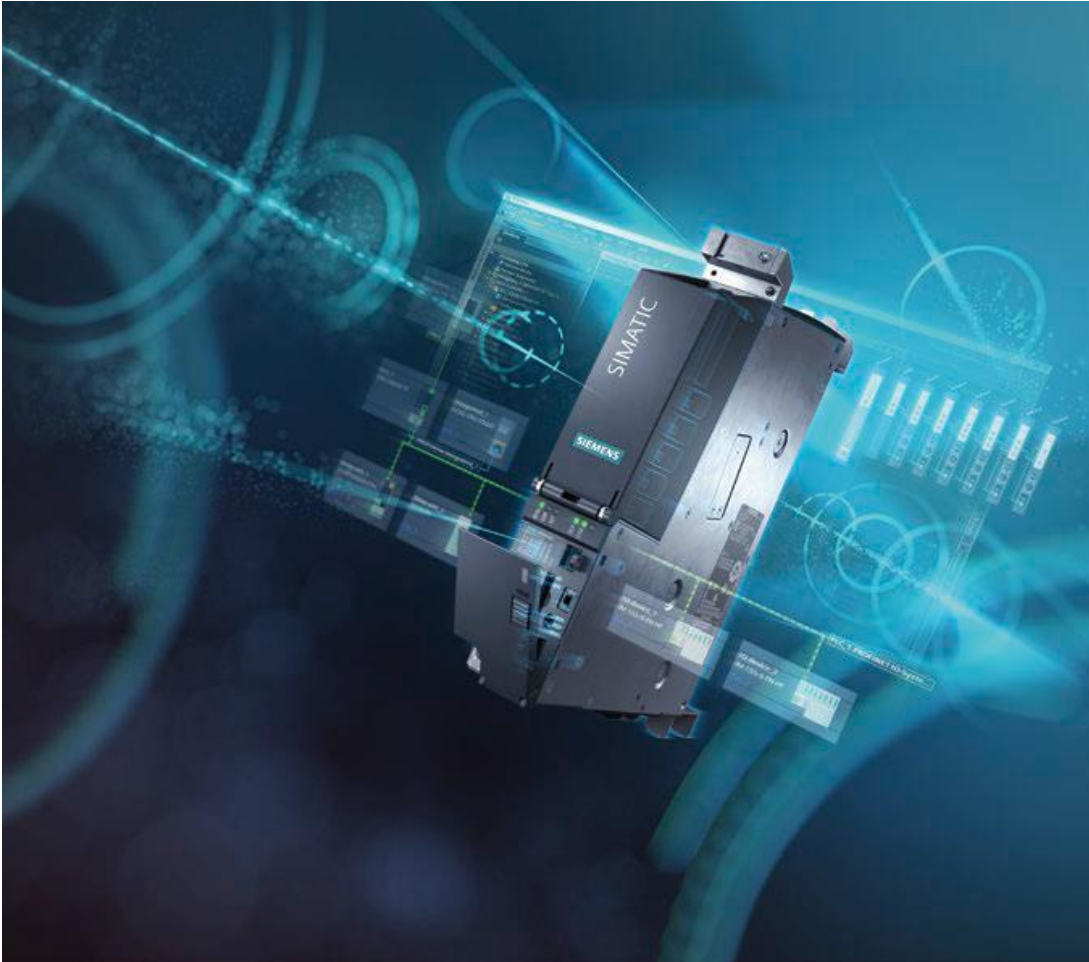
The controller is available in the two performance classes CPU 1504D TF and CPU 1507D TF. Thanks to integrated safety functionality for the controller and drive, even demanding requirements regarding operator and machine safety can be met.

The Simatic Drive Controller is equipped with extensive interfaces, including three Profinet interfaces and one Profibus interface for communication with, for example, HMI, I/O and other drive systems as well as on-board technology I/Os. This permits the efficient implementation of dynamic motion control applications.

With the "Cross-PLC synchronous operation" function, which is now available in all technology CPUs, it is also possible to implement gearing and camming across CPUs, so that there are virtually no limits to axis quantity structures. In addition to the performance distribution among several CPUs, modular automation concepts can also be easily implemented with cross-PLC synchronous operation. The engineering of the Simatic Drive Controller is carried out conveniently and efficiently in the TIA Portal Engineering Framework.

Background information:

Individual products require machines and production lines that can be quickly and easily adapted to different formats, sizes, product types, and production processes. Especially in production, maximum flexibility, efficiency, precision and availability are required. The reliable monitoring of all movements in producing machines also plays an essential role. Siemens offers suitable technological solutions based on the Simatic Advanced, Distributed and Drive Controllers.



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This press release and press images can be found at

<https://sie.ag/35frmln>

Additional Information about Simatic Drive Controller can be found at

www.siemens.com/drive-controller

Additional information about Siemens at SPS 2019 can be found at

www.siemens.com/press/sps19 and www.siemens.com/sps19

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