

SIEMENS



Product overview for SIMATIC S7-1500 Software Controller



SIMATIC S7-1500 Software Controller

The most independent controller in automation – the perfect choice for PC-based automation

SIMATIC S7-1500 software controller makes the benefits of the SIMATIC S7-1500 Advanced Controller available on SIMATIC industrial PCs and offers the best performance and operator friendliness.

The software controller is used when highest precision and speed as well as PC-based automation is required.

<https://www.siemens.com/software-controller>

Highlights

The efficient engineering with the TIA Portal engineering framework reduces the time-to-market.

- Complete configuration in the TIA Portal, no Windows settings necessary for the software controller.
- Integrated and diverse diagnostics as with S7-1500 Advanced Controller reduces commissioning times and minimizes downtimes in production.

Its independence from the operating system ensures the availability of the controller during operation.

- The software controller works fully independently of the operating system, which means the controller continues to work during a restart, during updates and even in case of an operating system failure.
- For a quick start of the production, the controller is started up independent of the operating system.
- Integrated web server for remote access to the controller even in case of operating system failure.

The integration of PC applications requires neither high-level language skills nor special development tools.

- High-level language codes such as C, C++, C#, VB with realtime capability can be integrated into the controller program by means of function blocks.
- Ready-to-use blocks for the connection of PC applications, such as databases.

Safety Integrated reduces the engineering overhead, the wiring overhead as well as the number of types and parts.


- Best possible integration: one controller, one network and one engineering system for standard and fail-safe automation.

Security Integrated protects intellectual property and investments.

- Know-how protection, copy protection and access protection prevent blocks from being opened and duplicated by unauthorized persons.
- Greater protection against manipulation and cyber attacks through authentication.


SIMATIC S7-1500 Software Controller as DVD version

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		Article number
	SIMATIC Software Controller CPU 1507S	6ES7672-7AC02-0YA0
	SIMATIC Failsafe SW Ctrl CPU 1507S F	6ES7672-7FC02-0YA0
	SIMATIC Software Controller CPU 1508S	6ES7672-8AC02-0YA0
	SIMATIC Failsafe SW Ctrl CPU 1508S F	6ES7672-8FC02-0YA0

SIMATIC S7-1500 Software Controller as download version

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		Article number
	SIMATIC Software Controller CPU 1507S DL	6ES7672-7AC02-0YG0
	SIMATIC Failsafe SW Ctrl CPU 1507S F DL	6ES7672-7FC02-0YG0
	SIMATIC Software Controller CPU 1508S DL	6ES7672-8AC02-0YG0
	SIMATIC Failsafe SW Ctrl CPU 1508S F DL	6ES7672-8FC02-0YG0

 : Safety-related component

* By clicking on the article number, you will be taken to the product in the TIA Selection Tool cloud.

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