

Product overview

for SIMATIC S7-1500

SIEMENS



Advanced Controller SIMATIC S7-1500

Our fastest controller for automation

With the SIMATIC S7-1500 controller, you can rely on maximum performance and built-in future-proofing. The modular controller enables you to implement the most demanding machine concepts and reliably accompanies you on your way through digital transformation.

SIMATIC S7-1500 has a modular structure and its functionality is scalable. Various central processing units (CPU versions) are available, each in several performance classes. A wide variety of signal modules for input and output as well as technology modules for special technological functions such as counting and communication modules are available for central or distributed configuration as interfaces to the machine or plant. The SIMATIC S7-1500 system is approved for IP20 degree of protection and is intended for installation in a control cabinet.

https://www.siemens.com/s7-1500

System overview

Efficient engineering

- TIA Portal Engineering enables complete access to the entire digitalized automation: digital planning, integrated engineering and transparent operation. Standardized libraries, diagnostics functions and energy management functions increase productivity, simulation option packages shorten time-to-market and the connection to the management level offers more transparency for optimizations.

Functional design

- SIMATIC S7-1500 offers easy handling and maximum user-friendliness in many new details: integrated potential bridges, shield elements that can be mounted without tools, uniform front connectors with type coding, ergonomic terminal labeling and latching front flap. Easy expandability, individual combinability and upward compatibility offer the highest cost efficiency and investment security.

Highest performance

- With the SIMATIC S7-1500, you can achieve maximum performance and productivity in your manufacturing process thanks to the fast backplane bus with PROFINET performance, the shortest response times and a command processing time of up to 1 ns in the CPU. Communication on a separate core relieves the cyclical program parts and ensures better results thanks to fewer cycle fluctuations. The PROFINET connection with deterministic time response ensures reproducibility and precision in the µs range - especially for Motion Control applications.

Integrated system diagnostics

- The integrated diagnostics functionality enables error messages to be visualized identically as plain text information in TIA Portal, on the HMI, on the Web server and on the CPU display based on a uniform display concept. LEDs signal channel-specific IO errors directly on the module. The configuration and the message paths of the diagnostics are integrated into the system in a user-friendly manner. The trace function is supported on all CPUs - long-term recording of up to 64 signals with an external computer is also possible.

Safety Integrated

- One system for standard and fail-safe applications: one controller, one communication and one engineering for standard and fail-safe automation. Safety Integrated stands for simple connection of PROFIsafe devices via PROFIBUS and PROFINET, and for data consistency between standard and fail-safe program parts. Mixed operation of fail-safe and standard I/O modules is supported.

Technology Integrated

- SIMATIC S7-1500 enables the integration of Motion Control without additional modules. PROFIdrive-capable drives are connected via standardized PLCopen blocks and so-called technology objects.

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Security Integrated

- The SIMATIC S7-1500 Security-by-Default concept includes measures ranging from authorization levels and block protection to communication integrity. Security Integrated protects your investments, prevents machines from being copied and contributes to high system availability.

Five steps to the right controller:

Type of structure, system performance, programming, Motion Control, system architecture: Do you already know which functions and performance features your controller should have? Then our function check will take you directly to the right SIMATIC controller in five steps.

https://www.siemens.com/controller

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: 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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Central processing units

Compare technical specifications online



Standard CPUs	Article number
	Compare technical specifications online
CPU 1511-1PN, 300KB Prog., 1,5MB Data	6ES7511-1AL03-0AB0
CPU 1511F-1PN, 450KB prog, 1,5MB Data	6ES7511-1FL03-0AB0
CPU 1513-1 PN, 600KB Prog., 2,5MB Data	6ES7513-1AM03-0AB0
CPU 1513F-1 PN, 900KB Prog., 2,5MB data	6ES7513-1FM03-0AB0
CPU 1515-2 PN, 1MB Prog., 4,5MB Data	6ES7515-2AN03-0AB0
CPU 1515F-2 PN, 1,5MB Prog.,4,5MB Data	6ES7515-2FN03-0AB0
CPU 1516-3 PN/DP, 2MB Prog., 7,5MB Data	6ES7516-3AP03-0AB0
CPU 1516F-3 PN/DP, 3MB Prog, 7,5MB Data	6ES7516-3FP03-0AB0
CPU 1517-3 PN, 4MB prog., 50MB data	6ES7517-3AQ10-0AB0
CPU 1517-3 PN/DP, 2MB Prog./8MB Data	6ES7517-3AP00-0AB0
CPU 1517F-3 PN, 6MB prog., 50MB data	6ES7517-3FQ10-0AB0
CPU 1517F-3 PN/DP, 3MB Prog., 8MB Data	6ES7517-3FP01-0AB0
CPU 1518-3 PN, 12MB prog., 150MB data	6ES7518-3AT10-0AB0
CPU 1518-4 PN/DP, 6 MB Prog., 60MB Data	6ES7518-4AP00-0AB0
CPU 1518F-3 PN, 18MB prog., 150MB data	6ES7518-3FT10-0AB0
CPU 1518F-4 PN/DP, 9 MB Prog, 60MB Data	6ES7518-4FP00-0AB0
CPU 1518-4 PN/DP MFP + C/C++ RT + OPC UA	6ES7518-4AX00-1AC0
CPU 1518F-4 PN/DP MFP + C/C++ RT +OPC UA	6ES7518-4FX00-1AC0
CPU 1511-1PN, 150KB Program, 1MB Data	6ES7511-1AK02-0AB0
CPU 1511F-1PN, 225KB prog, 1MB data	6ES7511-1FK02-0AB0
CPU 1513-1 PN, 300KB Prog., 1,5MB Data	6ES7513-1AL02-0AB0
CPU 1513F-1 PN, 450KB Prog., 1,5MB data	6ES7513-1FL02-0AB0
CPU 1515-2 PN, 500KB Prog., 3MB Data	6ES7515-2AM02-0AB0
CPU 1515F-2 PN, 750KB Prog.,3MB Data	6ES7515-2FM02-0AB0
CPU 1516-3 PN/DP, 1MB Prog., 5MB Data	6ES7516-3AN02-0AB0
CPU 1516F-3 PN/DP, 1,5MB Prog, 5MB Data	6ES7516-3FN02-0AB0
CPU 1517F-3 PN/DP, 3MB Prog., 8MB Data	6ES7517-3FP00-0AB0
SIPLUS S7-1500 CPU 1511-1 PN	6AG1511-1AK02-2AB0
SIPLUS S7-1500 CPU 1513-1 PN	6AG1513-1AL02-2AB0
SIPLUS S7-1500 CPU 1511F-1 PN	6AG1511-1FK02-2AB0
SIPLUS S7-1500 CPU 1513F-1 PN	6AG1513-1FL02-2AB0
SIPLUS S7-1500 CPU 1515F-2 PN	6AG1515-2FM02-2AB0
SIPLUS S7-1500 CPU 1516-3 PN/DP	6AG1516-3AN02-2AB0
SIPLUS S7-1500 CPU 1516F-3 PN/DP	6AG1516-3FN02-2AB0
SIPLUS S7-1500 CPU 1511-1 PN T1 RAIL	6AG2511-1AK02-1AB0
SIPLUS S7-1500 CPU 1516F-3 PN/DP RAIL	6AG2516-3FN02-2AB0
SIPLUS S7-1500 CPU 1511-1 PN	6AG1511-1AK02-7AB0
SIPLUS S7-1500 CPU 1513-1 PN	6AG1513-1AL02-7AB0
SIPLUS S7-1500 CPU 1516-3 PN/DP	6AG1516-3AN02-7AB0
SIPLUS S7-1500 CPU 1515F-2 PN RAIL	6AG2515-2FM02-4AB0
SIPLUS S7-1500 CPU 1516-3 PN/DP RAIL	6AG2516-3AN02-4AB0
SIPLUS S7-1500 CPU 1516F-3 PN/DP RAIL	6AG2516-3FN02-4AB0
SIPLUS S7-1500 CPU 1511-1 PN TX RAIL	6AG2511-1AK02-4AB0
SIPLUS S7-1500 CPU 1511-1 PN	6AG1511-1AL03-2AB0
SIPLUS S7-1500 CPU 1511F-1 PN	6AG1511-1FL03-2AB0
SIPLUS S7-1500 CPU 1513-1 PN	6AG1513-1AM03-2AB0
SIPLUS S7-1500 CPU 1513F-1 PN	6AG1513-1FM03-2AB0
SIPLUS S7-1500 CPU 1515F-2 PN	6AG1515-2FN03-2AB0
SIPLUS S7-1500 CPU 1516-3 PN	6AG1516-3AP03-2AB0
SIPLUS S7-1500 CPU 1516F-3 PN	6AG1516-3FP03-2AB0
SIPLUS S7-1500 CPU 1518-4 PN/DP	6AG1518-4AP00-4AB0
SIPLUS S7-1500 CPU 1518-4 PN/DP MFP	6AG1518-4AX00-4AC0
SIPLUS S7-1500 CPU 1518F-4 PN/DP	6AG1518-4FP00-4AB0

: Safety-related component

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

Central processing units	Compare technical specifications online
	Article number
SIPLUS S7-1500 CPU 1511-1 PN RAIL	6AG2511-1AL03-1AB0
SIPLUS S7-1500 CPU 1516F-3 PN RAIL	6AG2516-3FP03-2AB0
SIPLUS S7-1500 CPU 1511-1 PN	6AG1511-1AL03-7AB0
SIPLUS S7-1500 CPU 1513-1 PN	6AG1513-1AM03-7AB0
SIPLUS S7-1500 CPU 1515F-2 PN RAIL	6AG2515-2FN03-4AB0
SIPLUS S7-1500 CPU 1516-3 PN RAIL	6AG2516-3AP03-4AB0
SIPLUS S7-1500 CPU 1516F-3 PN RAIL	6AG2516-3FP03-4AB0
SIPLUS S7-1500 CPU 1516-3 PN	6AG1516-3AP03-7AB0
SIPLUS S7-1500 CPU 1518-3 PN	6AG1518-3AT10-4AB0
SIPLUS S7-1500 CPU 1518F-3 PN/DP	6AG1518-3FT10-4AB0
Compact CPUs	Compare technical specifications online
CPU 1511C-1 PN, 300KB Prog., 1,5MB Data	6ES7511-1CL03-0AB0
CPU 1512C-1 PN, 400 KB Prog., 2 MB Data	6ES7512-1CM03-0AB0
CPU 1511C-1 PN, 175 KB Prog, 1 MB Data	6ES7511-1CK01-0AB0
CPU 1512C-1 PN, 250 KB Prog, 1 MB Data	6ES7512-1CK01-0AB0
Technology CPUs	Compare technical specifications online
CPU 1511T-1PN, 450KB Prog., 1.5MB Data	6ES7511-1TL03-0AB0
CPU 1511TF-1PN, 450KB Prg., 1.5MB Data	6ES7511-1UL03-0AB0
CPU 1515T-2 PN, 1.5MB Progr, 4.5MB Data	6ES7515-2TN03-0AB0
CPU 1515TF-2 PN, 1.5MB Progr, 4.5MB Data	6ES7515-2UN03-0AB0
CPU 1516T-3 PN, 3MB prog., 25MB data	6ES7516-3TP10-0AB0
CPU 1516T-3 PN/DP, 3MB prog./7.5MB data	6ES7516-3TN00-0AB0
CPU 1516TF-3 PN, 3MB prog., 25MB data	6ES7516-3UP10-0AB0
CPU 1516TF-3 PN/DP, 3MB prog./7.5MB data	6ES7516-3UN00-0AB0
CPU 1517T-3 PN, 6MB prog., 50MB data	6ES7517-3TQ10-0AB0
CPU 1517T-3 PN/DP, 3MB prog./8MB data	6ES7517-3TP00-0AB0
CPU 1517TF-3 PN, 6MB prog., 50MB data	6ES7517-3UQ10-0AB0
CPU 1517TF-3 PN/DP, 3MB prog., 8MB data	6ES7517-3UP00-0AB0
CPU 1518T-3 PN, 18MB prog., 150MB data	6ES7518-3TT10-0AB0
CPU 1518T-4 PN/DP, 9MB Prog., 60MB data	6ES7518-4TP00-0AB0
CPU 1518TF-3 PN, 18MB prog., 150MB data	6ES7518-3UT10-0AB0
CPU 1518TF-4 PN/DP, 9MB Prog, 60MB data	6ES7518-4UP00-0AB0
CPU 1511T-1PN, 225KB progr., 1MB data	6ES7511-1TK01-0AB0
CPU 1511TF-1PN, 225KB progr., 1MB data	6ES7511-1UK01-0AB0
CPU 1515T-2 PN, 750KB progr, 3MB data	6ES7515-2TM01-0AB0
CPU 1515TF-2 PN, 750KB progr, 3MB data	6ES7515-2UM01-0AB0
Fault-tolerant and redundant CPUs	Compare technical specifications online
CPU 1513R-1 PN, 600KB program/2,5MB data	6ES7513-1RM03-0AB0
CPU 1515R-2 PN, 1MB program/ 4,5MB data	6ES7515-2RN03-0AB0
CPU 1517H-3 PN, 2MB program/8MB data	6ES7517-3HP00-0AB0
CPU 1517H-4 PN, 4MB prog., 50MB data	6ES7517-4HQ10-0AB0
CPU 1518HF-4 PN, 9MB program/60MB data	6ES7518-4JP00-0AB0
CPU 1518HF-4 PN, 18MB prog., 150MB data	6ES7518-4JT10-0AB0
SIPLUS S7-1500 CPU 1517H-3 PN	6AG1517-3HP00-4AB0
SIPLUS S7-1500 CPU 1518HF-4 PN	6AG1518-4JP00-4AB0
SIPLUS S7-1500 CPU 1517H-3 PN	6AG1517-3HP00-4AB0
SIPLUS S7-1500 CPU 1518HF-4 PN	6AG1518-4JP00-4AB0
SIPLUS S7-1500 CPU 1515R-2 PN	6AG1515-2RN03-7AB0
SIPLUS S7-1500 CPU 1517H-4 PN	6AG1517-4HQ10-4AB0
SIPLUS S7-1500 CPU 1518HF-4 PN	6AG1518-4JT10-4AB0
SIPLUS S7-1500 CPU 1515R-2 PN RAIL	6AG2515-2RN03-4AB0
CPU 1513R-1 PN, 300KB program/1,5MB data	6ES7513-1RL00-0AB0
CPU 1515R-2 PN, 500KB program/ 3MB data	6ES7515-2RM00-0AB0
SIPLUS S7-1500 CPU 1515R-2 PN	6AG1515-2RM00-7AB0

: Safety-related component

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Central processing units

Compare technical specifications online

	Article number
SIPLUS S7-1500 CPU 1515R-2 PN TX RAIL	6AG2515-2RM00-4AB0

Digital modules

Compare technical specifications online



	Article number
Digital input	Compare technical specifications online
S7-1500, DI 16x24VDC BA	6ES7521-1BH10-0AA0
S7-1500, DI 16x24VDC SRC BA	6ES7521-1BH50-0AA0
S7-1500, DI 16X24VDC HS	6ES7521-7BH00-0AB0
S7-1500, DI 16x24VDC HF	6ES7521-1BH00-0AB0
S7-1500, DI 16XNAMUR HF	6ES7521-7TH00-0AB0
S7-1500, DI 16x230VAC BA	6ES7521-1FH00-0AA0
S7-1500, DI 16 x 24...125V UC HF	6ES7521-7EH00-0AB0
S7-1500, DI 32x24VDC BA	6ES7521-1BL10-0AA0
S7-1500, DI 32x24VDC HF	6ES7521-1BL00-0AB0
S7-1500, DI 64x24VDC SNK/SRC BA	6ES7521-1BP00-0AA0
SIPLUS S7-1500 DI 16X24VDC HF	6AG1521-1BH00-7AB0
SIPLUS S7-1500 DI 16X24VDC SRC BA	6AG1521-1BH50-7AA0
SIPLUS S7-1500 DI 32X24VDC HF	6AG1521-1BL00-7AB0
SIPLUS S7-1500 DI 16X230VAC BA	6AG1521-1FH00-7AA0
SIPLUS S7-1500 DI 48VUC/125VDC HF	6AG1521-7EH00-7AB0
SIPLUS S7-1500 DI 16x24VDC HF TX RAIL	6AG2521-1BH00-4AB0
SIPLUS S7-1500 DI 16x110VDC HF TX RAIL	6AG2521-7EH00-4AB0
Digital output	Compare technical specifications online
S7-1500, DQ 8x24VDC/2A HF	6ES7522-1BF00-0AB0
S7-1500, DQ 8x24VDC/5A HS	6ES7522-5BF00-0AB0
S7-1500, DQ 8x230VAC/2A ST (Triac)	6ES7522-5FF00-0AB0
S7-1500, DQ 8x230VAC/5A ST (Relay)	6ES7522-5HF00-0AB0
S7-1500, DQ 16x24VDC/0.5A BA	6ES7522-1BH10-0AA0
S7-1500, DQ 16x24V DC/0.5A HF	6ES7522-1BH01-0AB0
S7-1500, DQ 16x230VAC/1A ST (Triac)	6ES7522-5FH00-0AB0
S7-1500, DQ 16x230VAC/2A ST (Relay)	6ES7522-5HH00-0AB0
S7-1500, DQ 16x24...48VUC/125VDC/0.5A ST	6ES7522-5EH00-0AB0
S7-1500, DQ 32x24VDC/0.5A BA	6ES7522-1BL10-0AA0
S7-1500, DQ 32x24VDC/0.5A HF	6ES7522-1BL01-0AB0
S7-1500, DQ 64x24VDC/0.3A BA	6ES7522-1BP00-0AA0
S7-1500, DQ 64x24VDC/0.3A SNK BA	6ES7522-1BP50-0AA0
SIPLUS S7-1500 DQ 8X230VAC/5A ST (RELAY)	6AG1522-5HF00-2AB0
SIPLUS S7-1500 DQ 8x230VAC ST 5A T1 RAIL	6AG2522-5HF00-1AB0
SIPLUS S7-1500 DQ 8X24VDC/2A HF	6AG1522-1BF00-7AB0
SIPLUS S7-1500 DQ 16X24VDC/0.5A HF	6AG1522-1BH01-7AB0
SIPLUS S7-1500 DQ 32X24VDC/0.5A HF	6AG1522-1BL01-7AB0
SIPLUS S7-1500 DQ 16x48VUC/125VDC ST	6AG1522-5EH00-7AB0
SIPLUS S7-1500 DQ 8X230VAC/2A ST (TRIAC)	6AG1522-5FF00-7AB0
SIPLUS S7-1500 16DQ 230VAC 1A ST TRIAC	6AG1522-5FH00-7AB0
SIPLUS S7-1500 16DQ 230VAC 2A RLY	6AG1522-5HH00-7AB0
SIPLUS S7-1500 DQ 16x24VDC HF TX RAIL	6AG2522-1BH01-4AB0
SIPLUS S7-1500 DQ 16x110VDC ST TX RAIL	6AG2522-5EH00-4AB0
Digital inputs/outputs	Compare technical specifications online
S7-1500, DI 16x24VDC/DQ 16x24VDC/0.5A BA	6ES7523-1BL00-0AA0
S7-1500, DI 32x24VDC/DQ 32x24VDC/0.3A BA	6ES7523-1BP50-0AA0
Fail-safe digital modules	Compare technical specifications online
ET 200MP, F-DI 16X24VDC	6ES7526-1BH00-0AB0

: Safety-related component

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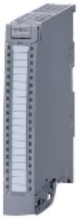
Digital modules

Compare technical specifications online

	Article number
ET 200MP, F-DQ 8x24VDC 2A PPM	6ES7526-2BF00-0AB0
SIPLUS S7-1500 F-DI 16x24VDC	6AG1526-1BH00-2AB0
SIPLUS S7-1500 F-DQ 8x24VDC/2A	6AG1526-2BF00-2AB0
SIPLUS S7-1500 F-DI 16x24VDC T1 RAIL	6AG2526-1BH00-1AB0
SIPLUS S7-1500 F-DQ 8x24VDC 2A T1 RAIL	6AG2526-2BF00-1AB0

Analog modules

Compare technical specifications online



	Article number
Analog input	Compare technical specifications online
S7-1500, AI 4xU/I/RTD/TC ST	6ES7531-7QD00-0AB0
S7-1500, AI 8xU/I/R/RTD BA	6ES7531-7QF00-0AB0
S7-1500, AI 8xU/I/RTD/TC ST	6ES7531-7KF00-0AB0
S7-1500, AI 8xU/I HS	6ES7531-7NF10-0AB0
S7-1500, AI 8 X U/R/RTD/TC HF	6ES7531-7PF00-0AB0
S7-1500, AI 8xU/I HF	6ES7531-7NF00-0AB0
S7-1500, AI 8xHART HF	6ES7531-7TF00-0AB0
S7-1500, AI 16xU BA	6ES7531-7LH00-0AB0
S7-1500, AI 16xI BA	6ES7531-7MH00-0AB0
S7-1500, AI 24xCVM HF	6ES7531-7LK00-0AB0
ET 200MP, F-AI 8xI 0(4)..20mA	6ES7536-1MF00-0AB0
SIPLUS S7-1500 AI 8XU/R/RTD/TC HF	6AG1531-7PF00-4AB0
SIPLUS S7-1500 AI 8XU/I/RTD/TC ST	6AG1531-7KF00-7AB0
SIPLUS S7-1500 AI 16xU BA	6AG1531-7LH00-7AB0
SIPLUS S7-1500 AI 16xI BA	6AG1531-7MH00-7AB0
SIPLUS S7-1500 AI 8XU/I HF	6AG1531-7NF00-7AB0
SIPLUS S7-1500 AI 8XU/I HS	6AG1531-7NF10-7AB0
SIPLUS S7-1500 AI 8xU/I/RTD/TC TX RAIL	6AG2531-7KF00-4AB0
SIPLUS S7-1500 AI 8xU/I HS TX RAIL	6AG2531-7NF10-4AB0
Analog output	Compare technical specifications online
S7-1500, AQ 2xU/I ST	6ES7532-5NB00-0AB0
S7-1500, AQ 4xU/I ST	6ES7532-5HD00-0AB0
S7-1500, AQ 4xU/I HF	6ES7532-5ND00-0AB0
S7-1500, AQ 8xU/I HS	6ES7532-5HF00-0AB0
S7-1500, AQ 8xHART HF	6ES7532-8TF00-0AB0
SIPLUS S7-1500 AQ 4XU/I ST	6AG1532-5HD00-7AB0
SIPLUS S7-1500 AQ 8XU/I HS	6AG1532-5HF00-7AB0
SIPLUS S7-1500 AQ 4xU/I ST TX RAIL	6AG2532-5HD00-4AB0
Analog inputs/outputs	Compare technical specifications online
S7-1500, AI 4x U/I/RTD/TC/AQ 2x U/I ST	6ES7534-7QE00-0AB0

Communication modules

Compare technical specifications online



	Article number
S7-1500, CM PTP RS232 BA	6ES7540-1AD01-0AA0
S7-1500, CM PTP RS422/485 BA	6ES7540-1AB01-0AA0
S7-1500, CM PTP RS232 HF	6ES7541-1AD01-0AB0
S7-1500, CM PTP RS422/485 HF	6ES7541-1AB01-0AB0
S7-1500, CM 1542-5	6GK7542-5DX10-0XE0
S7-1500, CM 1542-1	6GK7542-1AX10-0XE0
S7-1500, CM 8xIO-Link	6ES7547-1JF00-0AB0
S7-1500, CP 1543-1	6GK7543-1AX00-0XE0
Communication processor CP 1543-1	6GK7543-1AX10-0XE0

: Safety-related component

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Communication modules

Compare technical specifications online

	Article number
S7-1500, CP 1542-5	6GK7542-5FX10-0XE0
S7-1500, CP 1545-1	6GK7545-1GX00-0XE0
Communication processor CP 1545-1	6GK7545-1GX10-0XE0
SIPLUS	Compare technical specifications online
SIPLUS S7-1500 CM 1542-5	6AG1542-5DX10-7XE0
SIPLUS NET CP 1543-1	6AG1543-1AX00-2XE0
SIPLUS S7-1500 CM PTP RS422/485 BA	6AG1540-1AB01-7AA0
SIPLUS S7-1500 CM PTP RS232 BA	6AG1540-1AD01-7AA0
SIPLUS S7-1500 CM PTP RS422/485 HF	6AG1541-1AB01-7AB0
SIPLUS S7-1500 CM PTP RS232 HF	6AG1541-1AD01-7AB0
SIPLUS S7-1500 CM PTP RS422/485 RAIL	6AG2541-1AB01-4AB0
SIPLUS S7-1500 CM PTP RS232 HF RAIL	6AG2541-1AD01-4AB0
SIPLUS S7-1500 CP 1543-1	6AG1543-1AX10-7XE0
SIPLUS S7-1500 CP 1542-5	6AG1542-5FX10-7XE0

Technology modules

Compare technical specifications online



	Article number
S7-1500, TM Count 2x24V	6ES7550-1AA01-0AB0
S7-1500, TM PosInput 2	6ES7551-1AB01-0AB0
S7-1500, TM Timer DIDQ 24x24V	6ES7552-1AA01-0AB0
S7-1500, TM PTO4	6ES7553-1AA01-0AB0
S7-1500, TM FAST	6ES7554-1AA00-0AB0
S7-1500, TM NPU	6ES7556-1AA00-0AB0
S7-1500, TM MFP	6ES7558-1AA00-0AB0
SIWAREX WP521 ST Waegebaugruppe	7MH4980-1AA01
SIWAREX WP522 ST Waegebaugruppe	7MH4980-2AA01
SIPLUS	Compare technical specifications online
SIPLUS S7-1500 TM COUNT 2X24V	6AG1550-1AA01-7AB0
SIPLUS S7-1500 TM POSINPUT 2	6AG1551-1AB01-7AB0

System power supplies

Compare technical specifications online



	Article number
S7-1500, PS 25W 24V DC	6ES7505-0KA00-0AB0
S7-1500, PS 25W 24V DC	6ES7505-0KA01-0AB0
S7-1500, PS 60W 24/48/60V DC	6ES7505-0RA00-0AB0
S7-1500, PS 60W 24/48/60V DC HF	6ES7505-0RB00-0AB0
S7-1500, PS 60W 120/230V AC/DC	6ES7507-0RA00-0AB0
SIPLUS	Compare technical specifications online
SIPLUS S7-1500 PS 60W 24/48/60V DC	6AG1505-0RA00-7AB0
SIPLUS S7-1500 PS 60W 120/230V AC/DC	6AG1507-0RA00-7AB0
SIPLUS S7-1500 PS 25W 24V DC	6AG1505-0KA00-7AB0
SIPLUS S7-1500 PS 1505 25W 24VDC	6AG1505-0KA01-7AB0

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Load current supplies

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	Article number
SIMATIC PM 1507/1AC/24VDC/3A	6EP1332-4BA00
SIMATIC PM 1507/1AC/24VDC/3A/EX	6EP1332-4BA00-8AA0
SIMATIC PM 1507/1AC/24VDC/8A	6EP1333-4BA00
SIMATIC PM 1507/1AC/24VDC/8A/EX	6EP1333-4BA00-8AA0
SIPLUS	Compare technical specifications online
SIPLUS S7-1500 PM 1507 24V/3A	6AG1332-4BA00-7AA0
SIPLUS S7-1500 PM 1507 24V/8A	6AG1333-4BA00-7AA0

Accessories

Compare technical specifications online



	Article number
Memory card	Compare technical specifications online
SIMATIC S7 memory card, 4 MB	6ES7954-8LC04-0AA0
SIMATIC S7 Memory Card, 12 MB	6ES7954-8LE04-0AA0
SIMATIC S7 Memory Card, 24 MB	6ES7954-8LF04-0AA0
SIMATIC S7 Memory Card, 256 MB	6ES7954-8LL04-0AA0
SIMATIC S7 Memory Card, 2 GB	6ES7954-8LP04-0AA0
SIMATIC S7 Memory Card, 32 GB	6ES7954-8LT04-0AA0
Memory Card S7-1500T MC KinPlus 2 GB	6ES7954-8LP80-0AA0
Memory Card S7-1500T MC KinPlus 32 GB	6ES7954-8LT80-0AA0
SIPLUS RIC memory cards	
Front connector	Compare technical specifications online
Frontconnector Screw Type (35mm Mod.)	6ES7592-1AM00-0XB0
Frontconnector Push-in (35mm Mod.)	6ES7592-1BM00-0XB0
Frontconnector Push-in (25mm Mod.)	6ES7592-1BM00-0XA0
Jumpers (35mm Mod.)	6ES7592-3AA00-0AA0
CPU display as spare part	Compare technical specifications online
Display for CPU 1511/1512C/1513	6ES7591-1AA01-0AA0
Display module for S7-1500 CPUs ≥V3, 35m	6ES7591-1AB10-0AA0
Display module for S7-1500 CPUs, 35 mm	6ES7591-1AB00-0AA0
Display for CPU 1515/1516/1517/1518	6ES7591-1BA02-0AA0
Display module for S7-1500 CPUs, 70 mm	6ES7591-1BB00-0AA0
SIPLUS S7-1500 FRONTKLAPPE V2 CPU 35MM	6AG1591-1AA01-2AA0
SIPLUS S7-1500 Displaymodul CPUs 35mm	6AG1591-1AB00-2AA0
SIPLUS S7-1500 FRONTKLAPPE CPU 70MM	6AG1591-1BA02-2AA0
SIPLUS S7-1500 Display CPU 35mm V3.0	6AG1591-1AB10-2AA0
SIPLUS S7-1500 Displaymodul CPUs 70mm	6AG1591-1BB00-2AA0
Front door	Compare technical specifications online
Universal Front Door S7-1500 IO (35mm)	6ES7528-0AA00-7AA0
Universal Front Door S7-1500 IO(25mm)	6ES7528-0AA00-0AA0
Universal Front Door S7-1500 PS	6ES7528-0AA60-7AA0
Universal Front Door S7-1500 PS/CP	6ES7528-0AA80-7AA0
Universal Front Door S7-1500 F-IO	6ES7528-0AA10-7AA0
Labeling sheets	Compare technical specifications online
Labeling Sheets S7-1500, AL grey	6ES7592-2AX00-0AA0
Labeling Sheets S7-1500, AL grey	6ES7592-1AX00-0AA0
Labeling Sheets S7-1500, yellow	6ES7592-2CX00-0AA0
Miscellaneous	Compare technical specifications online
Grounding Element (20pcs.)	6ES7590-5AA00-0AA0
U-Type-Connector S7-1500 (Spare Part)	6ES7590-0AA00-0AA0
Shielding Set f. S7-1500 25mm Modules	6ES7590-5CA10-0XA0

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Accessories

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	Article number
Shielding Set f. S7-1500 35mm Modules	6ES7590-5CA00-0AA0
Connector Plug for Power Supply (PS/PM)	6ES7590-8AA00-0AA0
Shielding Terminal S7-1500 Periphery	6ES7590-5BA00-0AA0
Repeater RS485 f. PROFIBUS/MPI	6ES7972-0AA02-0XA0
Diagnostic repeater f. PROFIBUS-DP,	6ES7972-0AB01-0XA0
ET 200MP, 5 E-coding Elements Type F	6ES7592-6EF00-1AA0
S7-1500, TM FAST Debug Connector	6ES7554-1AA00-5AA0
SIPLUS S7-1500 E-CODING ELEMENTS TYPE F	6AG1592-6EF00-2AA0
SIPLUS Diagnose-Repeater fuer Profibus	6AG1972-0AB01-4XA0
SIPLUS S7-1500 U-Verbinder	6AG1590-0AA00-7AA0
SIPLUS DP RS485-Repeater	6AG1972-0AA02-7XA0

Engineering software and software options

Please use the configurator in the TIA Selection Tool to select the suitable software. Link

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