

**SIEMENS**



## Product overview for SIMATIC S7-1200

TIA Selection Tool Web



### Basic Controller SIMATIC S7-1200

#### Flexibly adaptable to your requirements

SIMATIC S7-1200 controllers are the intelligent choice for compact automation solutions with integrated I/Os, communication and technology functions for automation tasks in the low to medium performance range. They are available in standard and fail-safe versions.

<https://www.siemens.com/s7-1200>

### System overview

The scalable SIMATIC S7-1200 controllers have integrated inputs and outputs as well as communication options and are modularly expandable. Digital and analog input and output modules as well as a wide variety of communication modules enable flexible adaptation to the respective automation task. With integrated technologies such as high-speed counters, pulse width modulation, pulse sequence outputs, speed control and positioning, SIMATIC S7-1200 controllers are suitable for temperature control, pump and fan control, conveyor technology and even packaging machines.

#### Efficient engineering

- The seamless integration of the SIMATIC controllers into the common engineering framework TIA Portal provides consistent data management, the smart library concept and a uniform operating philosophy. This makes it especially easy to use system-spanning functions.

#### Manifold diagnostics

- Efficient error analysis and fast error localization with the new uniform display concept – plain text information of the error message in TIA Portal, on the HMI and in the Web server – shortens commissioning times and minimizes production downtimes. SIMATIC S7-1200 offers you diagnostic functionality already integrated in the system without additional programming work.

#### Innovative design

- The SIMATIC S7-1200 Basic Controller can be perfectly adapted to the respective automation task by implementing a wide range of expansion options. The modular board concept allows the controller to be easily expanded without changing its physical size. Devices can be easily replaced without rewiring by employing terminal strips.

#### Safety Integrated

- Fail-safe automation is as easy to program as the standard, and PROFIsafe devices are connected via PROFINET.

#### Technology Integrated

- Simple Motion Control applications, fast counting and measuring tasks, and closed-loop control (PID) are possible without special expansion modules.

#### Security Integrated

- Secure communication, know-how protection, copy protection and access protection prevent manipulation, opening and duplication of blocks by unauthorized persons, thus protecting your algorithm or process.

#### 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>

## Central processing units

[Compare technical specifications online](#)

## Article number

**CPU 1211C**[Compare technical specifications online](#)

CPU 1211C, DC/DC/DC, 6DI/4DO/2AI  
 CPU 1211C, AC/DC/Relay, 6DI/4DO/2AI  
 CPU 1211C, DC/DC/Relay, 6DI/4DO/2AI

6ES7211-1AE40-0XB0  
 6ES7211-1BE40-0XB0  
 6ES7211-1HE40-0XB0

**CPU 1212C**[Compare technical specifications online](#)

CPU 1212C, DC/DC/DC, 8DI/6DO/2AI  
 CPU 1212C, AC/DC/Relay, 8DI/6DO/2AI  
 CPU 1212C, DC/DC/Relay, 8DI/6DO/2AI  
 CPU 1212FC, DC/DC/DC, 8DI/6DO/2AI  
 CPU 1212FC, DC/DC/Relay, 8DI/6DO/2AI

6ES7212-1AE40-0XB0  
 6ES7212-1BE40-0XB0  
 6ES7212-1HE40-0XB0  
 6ES7212-1AF40-0XB0  
 6ES7212-1HF40-0XB0

SIPLUS S7-1200 CPU 1212C DC/DC/DC RAIL  
 SIPLUS S7-1200 CPU 1212C DC/DC/DC  
 SIPLUS S7-1200 CPU 1212C DC/DC/DC  
 SIPLUS S7-1200 CPU 1212C AC/DC/RLY  
 SIPLUS S7-1200 CPU 1212C AC/DC/RLY  
 SIPLUS S7-1200 CPU 1212C DC/DC/RLY  
 SIPLUS S7-1200 CPU 1212C DC/DC/RLY

6AG2212-1AE40-1XB0  
 6AG1212-1AE40-2XB0  
 6AG1212-1AE40-4XB0  
 6AG1212-1BE40-2XB0  
 6AG1212-1BE40-4XB0  
 6AG1212-1HE40-2XB0  
 6AG1212-1HE40-4XB0

**CPU 1214C**[Compare technical specifications online](#)

CPU 1214C, DC/DC/DC, 14DI/10DO/2AI  
 CPU 1214C, AC/DC/Relay, 14DI/10DO/2AI  
 CPU 1214C, DC/DC/Relay, 14DI/10DO/2AI  
 CPU 1214 FC, DC/DC/DC, 14DI/10DO/2AI  
 CPU 1214 FC, DC/DC/Relay, 14DI/10DO/2AI  
 SIPLUS S7-1200 CPU 1214FC DC/DC/DC

6ES7214-1AG40-0XB0  
 6ES7214-1BG40-0XB0  
 6ES7214-1HG40-0XB0  
 6ES7214-1AF40-0XB0  
 6ES7214-1HF40-0XB0  
 6AG1214-1AF40-5XB0

SIPLUS S7-1200 CPU 1214C DC/DC/DC RAIL  
 SIPLUS S7-1200 CPU 1214C DC/DC/DC  
 SIPLUS S7-1200 CPU 1214C DC/DC/DC  
 SIPLUS S7-1200 CPU 1214C DC/DC/DC  
 SIPLUS S7-1200 CPU 1214C AC/DC/RLY  
 SIPLUS S7-1200 CPU 1214C AC/DC/RLY  
 SIPLUS S7-1200 CPU 1214C AC/DC/RLY  
 SIPLUS S7-1200 CPU 1214C AC/DC/RLY  
 SIPLUS S7-1200 CPU 1214C DC/DC/RLY  
 SIPLUS S7-1200 CPU 1214C DC/DC/RLY  
 SIPLUS S7-1200 CPU 1214C DC/DC/RLY

6AG2214-1AG40-1XB0  
 6AG1214-1AG40-2XB0  
 6AG1214-1AG40-4XB0  
 6AG1214-1AG40-5XB0  
 6AG1214-1BG40-2XB0  
 6AG1214-1BG40-4XB0  
 6AG1214-1BG40-5XB0  
 6AG1214-1HF40-5XB0  
 6AG1214-1HG40-2XB0  
 6AG1214-1HG40-4XB0  
 6AG1214-1HG40-5XB0

**CPU 1215C**[Compare technical specifications online](#)

CPU 1215C, DC/DC/DC, 14DI/10DO/2AI/2AO  
 CPU 1215C, AC/DC/RLY, 14DI/10DO/2AI/2AO  
 CPU 1215C, DC/DC/RLY, 14DI/10DO/2AI/2AO  
 CPU 1215 FC, DC/DC/DC, 14DI/10DO/2AI/2AO  
 CPU 1215 FC, DC/DC/RLY, 14DI/10DO/2AI/2AO  
 SIPLUS S7-1200 CPU 1215FC DC/DC/DC

6ES7215-1AG40-0XB0  
 6ES7215-1BG40-0XB0  
 6ES7215-1HG40-0XB0  
 6ES7215-1AF40-0XB0  
 6ES7215-1HF40-0XB0  
 6AG1215-1AF40-5XB0

SIPLUS S7-1200 CPU 1215C DC/DC/DC  
 SIPLUS S7-1200 CPU 1215C DC/DC/DC  
 SIPLUS S7-1200 CPU 1215C DC/DC/DC  
 SIPLUS S7-1200 CPU 1215C AC/DC/RLY  
 SIPLUS S7-1200 CPU 1215C AC/DC/RLY  
 SIPLUS S7-1200 CPU 1215C AC/DC/RLY  
 SIPLUS S7-1200 CPU 1215C AC/DC/RLY  
 SIPLUS S7-1200 CPU 1215C DC/DC/RLY  
 SIPLUS S7-1200 CPU 1215C DC/DC/RLY  
 SIPLUS S7-1200 CPU 1215C DC/DC/RLY

6AG1215-1AG40-5XB0  
 6AG1215-1AG40-2XB0  
 6AG1215-1AG40-4XB0  
 6AG1215-1BG40-5XB0  
 6AG1215-1BG40-2XB0  
 6AG1215-1BG40-4XB0  
 6AG1215-1HG40-5XB0  
 6AG1215-1HG40-2XB0  
 6AG1215-1HG40-4XB0

**CPU 1217C**[Compare technical specifications online](#)

CPU 1217C, DC/DC/DC, 14DI/10DQ/2AI/2AQ

6ES7217-1AG40-0XB0

 : Safety-related component

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

## Signal boards

## Article number

**Digital inputs**[Compare technical specifications online](#)

|                                         |                    |
|-----------------------------------------|--------------------|
| Signal Board SB 1221, 4 DI 24VDC 200KHz | 6ES7221-3BD30-0XB0 |
| Signal Board SB 1221, 4 DI 5VDC 200KHz  | 6ES7221-3AD30-0XB0 |
| SIPLUS S7-1200 SB 1221 4DI 5VDC         | 6AG1221-3AD30-5XB0 |
| SIPLUS S7-1200 SB 1221 4DI 24VDC        | 6AG1221-3BD30-5XB0 |

**Digital outputs**[Compare technical specifications online](#)

|                                        |                    |
|----------------------------------------|--------------------|
| Signal Board SB1222, 4 DQ 24VDC 200KHz | 6ES7222-1BD30-0XB0 |
| Signal Board SB1222, 4 DQ 5VDC 200KHz  | 6ES7222-1AD30-0XB0 |
| SIPLUS S7-1200 SB 1222 4DQ 5VDC        | 6AG1222-1AD30-5XB0 |
| SIPLUS S7-1200 SB 1222 4DQ 24VDC       | 6AG1222-1BD30-5XB0 |

**Digital inputs/outputs**[Compare technical specifications online](#)

|                                          |                    |
|------------------------------------------|--------------------|
| Signal Board SB1223, 2 DI/2 DO           | 6ES7223-0BD30-0XB0 |
| Signal Board SB 1223, 2DI/2DQ 24V 200KHz | 6ES7223-3BD30-0XB0 |
| Signal Board SB 1223, 2DI/2DQ 5V 200KHz  | 6ES7223-3AD30-0XB0 |
| SIPLUS S7-1200 SB 1223 2DI/2DQ 24VDC     | 6AG1223-0BD30-4XB0 |
| SIPLUS S7-1200 SB 1223 2DI/2DQ 24VDC     | 6AG1223-0BD30-5XB0 |
| SIPLUS S7-1200 SB 1223 2DI/2DQ RAIL      | 6AG2223-0BD30-1XB0 |
| SIPLUS S7-1200 SB 1223 2DI/2DQ 5VDC      | 6AG1223-3AD30-5XB0 |
| SIPLUS S7-1200 SB 1223 2DI/2DQ, 24VDC    | 6AG1223-3BD30-5XB0 |

**Analog inputs**[Compare technical specifications online](#)

|                                |                    |
|--------------------------------|--------------------|
| Signal Board SB 1231, 1 AI     | 6ES7231-4HA30-0XB0 |
| Signal Board SB 1231 RTD       | 6ES7231-5PA30-0XB0 |
| Signal Board SB 1231 TC, 1 AI  | 6ES7231-5QA30-0XB0 |
| SIPLUS S7-1200 SB 1231 1AI RTD | 6AG1231-5PA30-5XB0 |

**Analog outputs**[Compare technical specifications online](#)

|                            |                    |
|----------------------------|--------------------|
| Signal Board SB 1232, 1 AO | 6ES7232-4HA30-0XB0 |
| SIPLUS S7-1200 SB 1232 1AQ | 6AG1232-4HA30-4XB0 |
| SIPLUS S7-1200 SB 1232 1AQ | 6AG1232-4HA30-5XB0 |

## Communication boards

[Compare technical specifications online](#)

## Article number

**Point-to-point**[Compare technical specifications online](#)

|                                      |                    |
|--------------------------------------|--------------------|
| Communication Board CB 1241, RS485   | 6ES7241-1CH30-1XB0 |
| SIPLUS S7-1200 CB 1241 RS485         | 6AG1241-1CH30-5XB1 |
| SIPLUS S7-1200 CB 1241 RS485 T1 RAIL | 6AG2241-1CH30-1XB0 |

 : Safety-related component

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

## Battery boards

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## Article number



Battery Board BB 1297 f. CPU 12xx

6ES7297-0AX30-0XA0

## Digital modules

## Article number

**Digital input SM 1221**[Compare technical specifications online](#)

|                                     |                    |
|-------------------------------------|--------------------|
| Digital Input SM 1221, 8DI, 24V DC  | 6ES7221-1BF32-0XB0 |
| Digital Input SM 1221, 16DI, 24V DC | 6ES7221-1BH32-0XB0 |
| SIPLUS S7-1200 SM 1221 8DI          | 6AG1221-1BF32-2XB0 |
| SIPLUS S7-1200 SM 1221 8DI          | 6AG1221-1BF32-4XB0 |
| SIPLUS S7-1200 SM 1221 8DI RAIL     | 6AG2221-1BF32-1XB0 |
| SIPLUS S7-1200 SM 1221 16DI         | 6AG1221-1BH32-2XB0 |
| SIPLUS S7-1200 SM 1221 16DI         | 6AG1221-1BH32-4XB0 |

**Digital output SM 1222**[Compare technical specifications online](#)

|                                          |                    |
|------------------------------------------|--------------------|
| Digital Output SM 1222, 8 DO, Relay      | 6ES7222-1HF32-0XB0 |
| Digital Output SM 1222, 8 DO, Changeover | 6ES7222-1XF32-0XB0 |
| Digital Output SM1222, 16 DO, Relay      | 6ES7222-1HH32-0XB0 |
| Digital Output SM1222, 8 DO, 24V DC      | 6ES7222-1BF32-0XB0 |
| Digital Output SM1222, 16 DO, 24V DC     | 6ES7222-1BH32-0XB0 |
| Digital Output SM1222, 16DO, 24V DC sink | 6ES7222-1BH32-1XB0 |
| SIPLUS S7-1200 SM 1222 8DQ               | 6AG1222-1BF32-2XB0 |
| SIPLUS S7-1200 SM 1222 8DQ               | 6AG1222-1BF32-4XB0 |
| SIPLUS S7-1200 SM 1222 8DQ RAIL          | 6AG2222-1BF32-1XB0 |
| SIPLUS S7-1200 SM 1222 16DQ              | 6AG1222-1BH32-2XB0 |
| SIPLUS S7-1200 SM 1222 16DQ              | 6AG1222-1BH32-4XB0 |
| SIPLUS S7-1200 SM 1222 8DQ RLY           | 6AG1222-1HF32-2XB0 |
| SIPLUS S7-1200 SM 1222 8DQ RLY           | 6AG1222-1HF32-4XB0 |
| SIPLUS S7-1200 SM 1222 8DQ RLY RAIL      | 6AG2222-1HF32-1XB0 |
| SIPLUS S7-1200 SM 1222 16DQ RLY          | 6AG1222-1HH32-2XB0 |
| SIPLUS S7-1200 SM 1222 16DQ RLY          | 6AG1222-1HH32-4XB0 |
| SIPLUS S7-1200 SM 1222 8DQ RLY           | 6AG1222-1XF32-2XB0 |
| SIPLUS S7-1200 SM 1222 8DQ RLY           | 6AG1222-1XF32-4XB0 |

**Digital I/O SM 1223**[Compare technical specifications online](#)

|                                      |                    |
|--------------------------------------|--------------------|
| Digital I/O SM 1223, 8 DI / 8 DO     | 6ES7223-1BH32-0XB0 |
| Digital I/O SM 1223, 16DI/16DO       | 6ES7223-1BL32-0XB0 |
| Digital I/O SM 1223, 8DI/8DO         | 6ES7223-1PH32-0XB0 |
| Digital I/O SM 1223, 16DI/16DO       | 6ES7223-1PL32-0XB0 |
| Digital I/O SM 1223, 8DI AC/ 8DO Rly | 6ES7223-1QH32-0XB0 |
| Digital I/O SM 1223, 16DI/16DO sink  | 6ES7223-1BL32-1XB0 |
| SIPLUS S7-1200 SM 1223 8DI/8DQ       | 6AG1223-1BH32-2XB0 |
| SIPLUS S7-1200 SM 1223 8DI/8DQ       | 6AG1223-1BH32-4XB0 |
| SIPLUS S7-1200 SM 1223 8DI/8DQ RAIL  | 6AG2223-1BH32-1XB0 |
| SIPLUS S7-1200 SM 1223 16DI/16DQ     | 6AG1223-1BL32-2XB0 |
| SIPLUS S7-1200 SM 1223 16DI/16DQ     | 6AG1223-1BL32-4XB0 |
| SIPLUS S7-1200 SM 1223 8DI/8DQ RLY   | 6AG1223-1PH32-2XB0 |
| SIPLUS S7-1200 SM 1223 8DI/8DQ RLY   | 6AG1223-1PH32-4XB0 |

: Safety-related component

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



## Digital modules

|                                          | Article number     |
|------------------------------------------|--------------------|
| SIPLUS S7-1200 SM 1223 16DI/16DQ RAIL    | 6AG2223-1PL32-1XB0 |
| SIPLUS S7-1200 SM 1223 16DI/16DQ RLY     | 6AG1223-1PL32-2XB0 |
| SIPLUS S7-1200 SM 1223 16DI/16DQ RLY     | 6AG1223-1PL32-4XB0 |
| SIPLUS S7-1200 SM 1223 8DI AC/8DQ RLY    | 6AG1223-1QH32-2XB0 |
| SIPLUS S7-1200 SM 1223 8DI AC/8DQ RLY    | 6AG1223-1QH32-4XB0 |
| <b>Fail-safe digital modules SM 1226</b> |                    |
| Digital Input SM 1226, F-DI 16x 24VDC    | 6ES7226-6BA32-0XB0 |
| Digital Output SM 1226, F-DQ 4x 24VDC    | 6ES7226-6DA32-0XB0 |
| Digital Output SM 1226, F-DQ 2x Relay    | 6ES7226-6RA32-0XB0 |
| SIPLUS S7-1200 SM 1226 F-DQ 4x24VDC      | 6AG1226-6DA32-5XB0 |
| SIPLUS S7-1200 SM 1226 F-DQ 2xRelay      | 6AG1226-6RA32-5XB0 |

## Analog modules

|                                                                                    | Article number                          |
|------------------------------------------------------------------------------------|-----------------------------------------|
|  | <b>SM 1231 analog input module</b>      |
|                                                                                    | Analog Input SM 1231, 4AI               |
|                                                                                    | Analog Input SM 1231, 8AI               |
|                                                                                    | Analog Input SM 1231, 4AI 16bit         |
|                                                                                    | S7-1200, analog Input SM 1231 RTD, 4 AI |
|                                                                                    | S7-1200, analog Input SM 1231 RTD, 8 AI |
|                                                                                    | S7-1200, analog Input SM 1231 TC, 4 AI  |
|                                                                                    | S7-1200, analog Input SM 1231 TC, 8 AI  |
|                                                                                    | SM 1238 Energy Meter 480V AC            |
|                                                                                    | SIPLUS S7-1200 SM 1231 4AI 13Bit        |
|                                                                                    | SIPLUS S7-1200 SM 1231 8AI 13Bit        |
|                                                                                    | SIPLUS S7-1200 SM 1231 4AI 16Bit        |
|                                                                                    | SIPLUS S7-1200 SM 1231 4AI RTD 16Bit    |
|                                                                                    | SIPLUS S7-1200 SM 1231 4AI RTD 16Bit    |
|                                                                                    | SIPLUS S7-1200 SM 1231 RTD RAIL         |
|                                                                                    | SIPLUS S7-1200 SM 1231 8AI RTD 16Bit    |
|                                                                                    | SIPLUS S7-1200 SM 1231 8AI RTD 16Bit    |
|                                                                                    | SIPLUS S7-1200 SM 1231 4AI TC 16Bit     |
|                                                                                    | SIPLUS S7-1200 SM 1231 8AI TC 16Bit     |
|                                                                                    |                                         |
| <b>SM 1232 analog output module</b>                                                |                                         |
| <a href="#">Compare technical specifications online</a>                            |                                         |
| Analog Output SM 1232, 4AO                                                         | 6ES7232-4HD32-0XB0                      |
| Analog Output SM 1232, 2AO                                                         | 6ES7232-4HB32-0XB0                      |
| SIPLUS S7-1200 SM 1232 2AQ 13Bit                                                   | 6AG1232-4HB32-4XB0                      |
| SIPLUS S7-1200 SM 1232 4AQ 14Bit                                                   | 6AG1232-4HD32-2XB0                      |
| SIPLUS S7-1200 SM 1232 4AQ 14Bit                                                   | 6AG1232-4HD32-4XB0                      |
| SIPLUS S7-1200 SM 1232 4AQ RAIL                                                    | 6AG2232-4HD32-1XB0                      |
| <b>SM 1234 analog input/output module</b>                                          |                                         |
| <a href="#">Compare technical specifications online</a>                            |                                         |
| Analog I/O SM 1234, 4AI/2AO                                                        | 6ES7234-4HE32-0XB0                      |
| SIPLUS S7-1200 SM 1234 4AI/2AQ 13Bit                                               | 6AG1234-4HE32-2XB0                      |
| SIPLUS S7-1200 SM 1234 4AI/2AQ 13Bit                                               | 6AG1234-4HE32-4XB0                      |
| SIPLUS S7-1200 SM 1234 4AI/2AQ RAIL                                                | 6AG2234-4HE32-1XB1                      |

 : Safety-related component

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## Simulation modules

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|                                           | Article number     |
|-------------------------------------------|--------------------|
| S7-1200 Simulator Module SIM1274, 8 Inp   | 6ES7274-1XF30-0XA0 |
| S7-1200 Simulator Module SIM1274, 14 Inp  | 6ES7274-1XH30-0XA0 |
| S7-1200 Simulator S7-1217, 14 inputs      | 6ES7274-1XK30-0XA0 |
| S7-1200 Potentiometer Module, 2 Pot Input | 6ES7274-1XA30-0XA0 |

## Communication modules



|                                          | Article number     |
|------------------------------------------|--------------------|
| S7-1200, SM1278, 4 X IO-Link Master      | 6ES7278-4BD32-0XB0 |
| Communication Module cm 1241, RS232      | 6ES7241-1AH32-0XB0 |
| Communication Module cm 1241, RS422/485  | 6ES7241-1CH32-0XB0 |
| Communication module CM 1242-5           | 6GK7242-5DX30-0XE0 |
| CM 1243-2 (AS-I V3.0)                    | 3RK7243-2AA30-0XB0 |
| Communication module CM 1243-5           | 6GK7243-5DX30-0XE0 |
| Communication module RF120C              | 6GT2002-0LA00      |
| Communication processor CP 1242-7        | 6GK7242-7KX31-0XE0 |
| Communication processor CP 1243-1        | 6GK7243-1BX30-0XE0 |
| Communication processor CP 1243-7 LTE EU | 6GK7243-7KX30-0XE0 |
| Communication processor CP 1243-7 LTE US | 6GK7243-7SX30-0XE0 |
| Communication processor CP 1243-8 IRC    | 6GK7243-8RX30-0XE0 |
| DCM 1271 (AS-I DATA DECOUPL)             | 3RK7271-1AA30-0AA0 |
| Compact Switch Module CSM 1277           | 6GK7277-1AA10-0AA0 |

**SIPLUS**

|                                       |                    |
|---------------------------------------|--------------------|
| SIPLUS S7-1200 CM 1243-2              | 6AG1243-2AA30-7XB0 |
| SIPLUS S7-1200 CM 1241 RS232          | 6AG1241-1AH32-4XB0 |
| SIPLUS S7-1200 CM1241 RS232           | 6AG1241-1AH32-2XB0 |
| SIPLUS S7-1200 CM1241 RS232 RAIL      | 6AG2241-1AH32-1XB0 |
| SIPLUS S7-1200 CM 1241 RS422/485      | 6AG1241-1CH32-2XB0 |
| SIPLUS S7-1200 CM 1241 RS422/485      | 6AG1241-1CH32-4XB0 |
| SIPLUS S7-1200 CM1241 RS422/485 RAIL  | 6AG2241-1CH32-1XB0 |
| SIPLUS S7-1200 SM 1278 IO-Link Master | 6AG1278-4BD32-2XB0 |
| SIPLUS S7-1200 SM 1278 IO-Link Master | 6AG1278-4BD32-4XB0 |
| SIPLUS S7-1200 CM 1242-5              | 6AG1242-5DX30-2XE0 |
| SIPLUS S7-1200 CM 1242-5 RAIL         | 6AG2242-5DX30-1XE0 |
| SIPLUS S7-1200 CP 1243-1              | 6AG1243-1BX30-2AX0 |
| SIPLUS S7-1200 CP 1243-1 T1 RAIL      | 6AG2243-1BX30-1XE0 |
| SIPLUS S7-1200 CM 1243-5              | 6AG1243-5DX30-2XE0 |
| SIPLUS S7-1200 CM 1243-5 RAIL         | 6AG2243-5DX30-1XE0 |
| SIPLUS NET CSM 1277                   | 6AG1277-1AA10-2AA0 |
| SIPLUS NET CSM 1277                   | 6AG1277-1AA10-4AA0 |

 : Safety-related component

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

## Technology modules



|                                   | Article number     |
|-----------------------------------|--------------------|
| SIWAREX WP231 WEIGHING ELECTRONIC | 7MH4960-2AA01      |
| SIWAREX WP241 WEIGHING ELECTRONIC | 7MH4960-4AA01      |
| SIWAREX WP251 WEIGHING ELECTRONIC | 7MH4960-6AA01      |
| SM1281_Condition_Monitoring       | 6AT8007-1AA10-0AA0 |

## Power supplies

[Compare technical specifications online](#)


|                               | Article number     |
|-------------------------------|--------------------|
| SIMATIC PM1207/1AC/24VDC/2.5A | 6EP1332-1SH71      |
| <b>SIPLUS</b>                 |                    |
| SIPLUS POWER MODUL PM1207     | 6AG1332-1SH71-4AA0 |
| SIPLUS POWER MODUL PM1207     | 6AG1332-1SH71-7AA0 |

## Accessories



## Memory card

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|                                |                    |
|--------------------------------|--------------------|
| SIMATIC S7 memory card, 4 MB   | 6ES7954-8LC03-0AA0 |
| SIMATIC S7 Memory Card, 12 MB  | 6ES7954-8LE03-0AA0 |
| SIMATIC S7 Memory Card, 24 MB  | 6ES7954-8LF03-0AA0 |
| SIMATIC S7 Memory Card, 256 MB | 6ES7954-8LL03-0AA0 |
| SIMATIC S7 Memory Card, 2 GB   | 6ES7954-8LP03-0AA0 |
| SIMATIC S7 Memory Card, 32 GB  | 6ES7954-8LT03-0AA0 |

## Manuals

[Compare technical specifications online](#)

## Terminal block

[Compare technical specifications online](#)

|                                         |                    |
|-----------------------------------------|--------------------|
| Connector Block, 7 Poles, Tin (4/PK)    | 6ES7292-2AG30-0XA0 |
| Connector keyed, 7 Poles, Tin (4/PK)    | 6ES7292-2AG40-0XA0 |
| Connector keyed, 7 Poles, Tin (4/PK)    | 6ES7292-2AG40-0XA1 |
| Connector keyed, 7 Poles, Tin (4/PK)    | 6ES7292-2AG40-0XA2 |
| Connector Block, 8 Terminal, Tin (4/PK) | 6ES7292-2AH30-0XA0 |
| Connector Block, 8 Poles, Tin (4/PK)    | 6ES7292-2AH40-0XA0 |
| Connector Block, 10 Poles, Tin (4/PK)   | 6ES7292-2AK30-0XA0 |
| Connector Block, 11 Poles, Tin (4/PK)   | 6ES7292-2AL30-0XA0 |
| Connector Block, 11 Poles, Tin (4/PK)   | 6ES7292-2AL40-0XA0 |
| Connector Block, 12 Poles, Tin (4/PK)   | 6ES7292-2AM30-0XA0 |
| Connector Block, 12-pole, tin (4/PK)    | 6ES7292-2AM40-0XA0 |
| Connector Block, 14 Poles, Tin (4/PK)   | 6ES7292-2AP30-0XA0 |
| Connector Block, 14 Poles, Tin (4/PK)   | 6ES7292-2AP40-0XA0 |
| Connector Block, 16 Poles, Tin (4/PK)   | 6ES7292-2AR30-0XA0 |
| Connector Block, 18 Poles, Tin (4/PK)   | 6ES7292-2AT30-0XA0 |
| Connector Block, 20 Poles, Tin (4/PK)   | 6ES7292-2AV30-0XA0 |
| Connector Block, 20-pole, tin (4/PK)    | 6ES7292-2AV40-0XA0 |

 : Safety-related component

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



## Accessories

|                                                         | Article number     |
|---------------------------------------------------------|--------------------|
| Connector Block, 3-pole, gold (4/PK)                    | 6ES7292-2BC30-0XA0 |
| Terminal block, 6 Poles, gold (4/PK)                    | 6ES7292-2BF30-0XB0 |
| Connector Block, 7 Poles, Gold (4/PK)                   | 6ES7292-2BG30-0XA0 |
| Connector Block, 11 Poles, Gold (4/PK)                  | 6ES7292-2BL30-0XA0 |
| Connector Block, 7 Terminal, Tin (4/PK)                 | 6ES7292-1AG30-0XA0 |
| Connector keyed, 7 Terminal, Tin (4/PK)                 | 6ES7292-1AG40-0XA0 |
| Connector keyed, 7 Terminal, Tin (4/PK)                 | 6ES7292-1AG40-0XA1 |
| Connector keyed, 7 pins, Tin (4/Pk)                     | 6ES7292-1AG40-0XA2 |
| Connector Block, 8 Terminal, Tin (4/PK)                 | 6ES7292-1AH30-0XA0 |
| Connector Block, 8 Terminal, Tin (4/PK)                 | 6ES7292-1AH40-0XA0 |
| Connector Block, 10 Terminal, Tin (4/PK)                | 6ES7292-1AK30-0XA0 |
| Connector Block, 11 Terminal, Tin (4/PK)                | 6ES7292-1AL30-0XA0 |
| Connector Block, 11 Terminal, Tin (4/PK)                | 6ES7292-1AL40-0XA0 |
| Connector Block, 12 Terminal, Tin (4/PK)                | 6ES7292-1AM30-0XA0 |
| Connector Block, 12 Terminal, Tin (4/PK)                | 6ES7292-1AM40-0XA0 |
| Connector Block, 14 Terminal, Tin (4/PK)                | 6ES7292-1AP30-0XA0 |
| Connector Block, 14 Terminal, Tin (4/PK)                | 6ES7292-1AP40-0XA0 |
| Connector Block, 16 Terminal, Tin (4/PK)                | 6ES7292-1AR30-0XA0 |
| Connector Block, 18 Terminal, Tin (4/PK)                | 6ES7292-1AT30-0XA0 |
| Connector Block, 20 Terminal, Tin (4/PK)                | 6ES7292-1AV30-0XA0 |
| Connector Block, 20 Terminal, Tin (4/PK)                | 6ES7292-1AV40-0XA0 |
| Connector Block, 3 Terminal, Gold (4/PK)                | 6ES7292-1BC30-0XA0 |
| terminal block, 6 Terminal, gold (4/PK)                 | 6ES7292-1BF30-0XA0 |
| Terminal block, 6 Terminal, gold (4/PK)                 | 6ES7292-1BF30-0XB0 |
| Connector Block, 7 Terminal, Gold (4/PK)                | 6ES7292-1BG30-0XA0 |
| Connector Block, 11 Terminal, Gold(4/PK)                | 6ES7292-1BL30-0XA0 |
| <b>TeleService</b>                                      |                    |
| TS ADAPTER IE BASIC SIMATIC TELESERVICE                 | 6ES7972-0EB00-0XA0 |
| TS ADAPTER IE ADV. SIMATIC TELESERVICE                  | 6ES7972-0EA00-0XA0 |
| TeleService module modem                                | 6ES7972-0MM00-0XA0 |
| TeleService module ISDN                                 | 6ES7972-0MD00-0XA0 |
| TeleService module RS232                                | 6ES7972-0MS00-0XA0 |
| Antenna ANT794-4MR, 2G/3G/4G EU networks                | 6NH9860-1AA00      |
| Antenna ANT794-3M, 2G networks                          | 6NH9870-1AA00      |
| <b>Strain relief</b>                                    |                    |
| <a href="#">Compare technical specifications online</a> |                    |
| S7-1200 Single Port RJ45 Strain Relief                  | 6ES7290-3AA30-0XA0 |
| S7-1200 Dual Port RJ45 Strain Relief                    | 6ES7290-3AB30-0XA0 |
| SIMATIC S7-1200, Expansion Cable 2.0M                   | 6ES7290-6AA30-0XA0 |
| Repeater RS485 f. PROFIBUS/MPI                          | 6ES7972-0AA02-0XA0 |
| Diagnostic repeater f. PROFIBUS-DP,                     | 6ES7972-0AB01-0XA0 |
| <b>SIPLUS</b>                                           |                    |
| SIPLUS DP RS485-Repeater                                | 6AG1972-0AA02-7XA0 |
| SIPLUS Diagnose-Repeater fuer Profibus                  | 6AG1972-0AB01-4XA0 |
| <b>Accessories M8, M12</b>                              |                    |
| AS-INTERFACE, BLANK PLUG                                | 3RK1901-1KA00      |
| M12 PROFIBUS SOCKET ANGLED                              | 3RK1902-4HB15-5AA0 |
| M12 PROFIBUS SOCKET ANGLED                              | 3RK1902-4HB50-5AA0 |
| M12 PROFIBUS SOCKET ANGLED                              | 3RK1902-4HC01-5AA0 |
| M12 - M12 CABLE 1.5M 3 POLE                             | 3RK1902-4PB15-3AA0 |
| ET200, Y Cable                                          | 6ES7194-6KA00-0XA0 |
| Conn. Cable IO-Link, 2 X M12-4pin, 5m                   | 6GT2891-4MH50      |
| Conn. Cable IO-Link, 2 X M12-4pin, 10m                  | 6GT2891-4MN10      |
| Control Cable 5 core cable sold by meter                | 6XV1801-2C         |
| Control Connecting Cable M12/M12, 0,5m                  | 6XV1801-2CE50      |

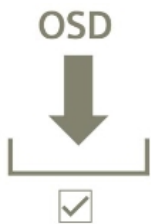
 : Safety-related component

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## Accessories

|                                         | Article number                                          |
|-----------------------------------------|---------------------------------------------------------|
| Control Connecting Cable M12/M12, 1,0m  | 6XV1801-2CH10                                           |
| Control Connecting Cable M12/M12, 1,0m  | 6XV1801-2CH15                                           |
| Control Connecting Cable M12/M12, 2,0m  | 6XV1801-2CH20                                           |
| Control Connecting Cable M12/M12, 3,0m  | 6XV1801-2CH30                                           |
| Control Connecting Cable M12/M12, 5,0m  | 6XV1801-2CH50                                           |
| Control Connecting Cable M12/M12, 10,0m | 6XV1801-2CN10                                           |
| Control Connecting Cable M12/M12, 15,0m | 6XV1801-2CN15                                           |
| Control M12 Cable Connector PRO         | 6GK1908-0DC10-6AA0                                      |
| <b>Sensors</b>                          | <a href="#">Compare technical specifications online</a> |
| SIPLUS CMS2000 VIB-SENSOR S01           | 6AT8002-4AB00                                           |
| SIPLUS CMS VIB-SENSOR S02               | 6AT8008-2AA00-0AA0                                      |
| SIPLUS CMS VIB-SENSOR S03               | 6AT8008-2AA02-0AA0                                      |
| <b>Cable</b>                            | <a href="#">Compare technical specifications online</a> |
| SIPLUS CMS2000 CABLE 3m                 | 6AT8002-4AC03                                           |
| SIPLUS CMS2000 CABLE 10m                | 6AT8002-4AC10                                           |
| SIPLUS CMS CABLE 30m                    | 6AT8008-2BA12-0AA0                                      |

## Engineering software and software options



|                                              | Article number     |
|----------------------------------------------|--------------------|
| SIMATIC STEP 7 Basic V18 DL                  | 6ES7822-0AE08-0YA5 |
| SIMATIC STEP 7 Basic V18                     | 6ES7822-0AA08-0YA5 |
| STEP 7 Basic TIA Portal SUS DL               | 6ES7822-0AE00-0YY0 |
| STEP 7 Basic SW Update Service, 1 Year       | 6ES7822-0AA00-0YL0 |
| STEP 7 Safety Basic V18 SW DL                | 6ES7833-1FB18-0YH5 |
| STEP 7 Safety Basic V18                      | 6ES7833-1FB18-0YA5 |
| <b>STEP7 Safety Basic, SUS Download</b>      | 6ES7833-1FD00-0YN2 |
| <b>STEP7 Safety Basic, SW Update Service</b> | 6ES7833-1FD00-0YX2 |

 : Safety-related component

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