

Ordering data	Article No.	Article No.
Battery board BB1297 For long-term backup of real-time clock, can be plugged into the signal board slot; battery (CR1025) is not included	6ES7297-0AX30-0XA0	STEP 7 Professional / Basic V14 SP1 Target system: SIMATIC S7-1200, S7-1500, S7-300, S7-400, WinAC Requirement: Windows 7 Professional SP1 (64-bit), Windows 7 Enterprise SP1 (64-bit), Windows 7 Ultimate SP1 (64-bit), Windows 8.1 Professional (64-bit), Windows 8.1 Enterprise (64-bit), Windows 10 Professional Version 1607, Windows 10 Enterprise Version 1607, Windows 10 Enterprise 2016 LTSC, Windows 10 Enterprise 2015 LTSC, Windows Server 2008 R2 StdE (full installation), Windows Server 2012 StdE (full installation), Windows Server 2016 Standard (full installation); STEP 7 Basic V14 SP1 in addition: Windows 7 Home Premium SP1 (64-bit), Windows 8.1 (64-bit), Windows 10 Home Version 1607 Type of delivery: German, English, Chinese, Italian, French, Spanish STEP 7 Professional V14 SP1, floating license STEP 7 Professional V14 SP1, floating license, software download incl. license key ¹⁾ Email address required for delivery STEP 7 Basic V14 SP1, floating license STEP 7 Basic V14 SP1, floating license, software download incl. license key ¹⁾ Email address required for delivery
Digital input simulator SIM 1274 simulator module (optional) 8 input switches, for CPU 1211C / CPU 1212C	6ES7274-1XF30-0XA0	
Analog input simulator SIM 1274 simulator module (optional) 2 potentiometers	6ES7274-1XA30-0XA0	
SIMATIC Memory Card (optional) 4 MB 12 MB 24 MB 256 MB 2 GB 32 GB	6ES7954-8LC02-0AA0 6ES7954-8LE02-0AA0 6ES7954-8LF02-0AA0 6ES7954-8LL02-0AA0 6ES7954-8LP02-0AA0 6ES7954-8LT03-0AA0	
Terminal block (spare part) For CPU 1211C AC/DC/relay • For DI, with 14 screws, tin-coated, coded; 4 units • For DO, with 8 screws, tin-coated, coded; 4 units • For AI, with 3 screws, gold-plated; 4 units For CPU 1211C DC/DC/DC • For DI, with 14 screws, tin-coated; 4 units • For DO, with 8 screws, tin-coated; 4 units • For AI, with 3 screws, gold-plated; 4 units For CPU 1211C DC/DC/relay • For DI, with 14 screws, tin-coated; 4 units • For DO, with 8 screws, tin-coated, coded; 4 units • For AI, with 3 screws, gold-plated; 4 units	6ES7292-1AP40-0XA0 6ES7292-1AH40-0XA0 6ES7292-1BC30-0XA0 6ES7292-1AP30-0XA0 6ES7292-1AH30-0XA0 6ES7292-1BC30-0XA0 6ES7292-1AP30-0XA0 6ES7292-1AH40-0XA0 6ES7292-1BC30-0XA0	
RJ45 cable grip 4 units per pack Single port	6ES7290-3AA30-0XA0	
Front flap set (spare part) For CPU 1211C/1212C	6ES7291-1AA30-0XA0	

¹⁾ For up-to-date information and download availability, see:
<http://www.siemens.com/tia-online-software-delivery>

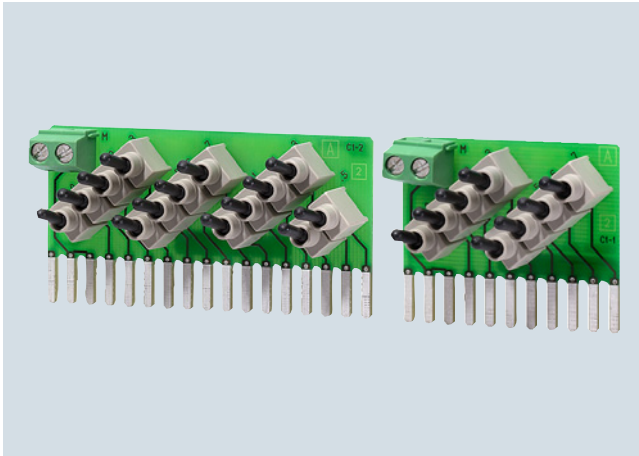
SIMATIC S7-1200 Basic ControllersCentral processing units
Standard CPUs**CPU 1212C**

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Ordering data	Article No.		Article No.
SB 1231 thermocouple signal board 1 input +/- 80 mV, resolution 15 bits + sign, thermocouples type J, K	6ES7231-5QA30-0XB0	Terminal block (spare part) (cont.) For CPU 1212C DC/DC/DC • For DI, with 14 screws, tin-coated; 4 units • For DO, with 8 screws, tin-coated; 4 units • For AI, with 3 screws, gold-plated; 4 units For CPU 1212C DC/DC/relay • For DI, with 14 screws, tin-coated; 4 units • For DO, with 8 screws, tin-coated, coded; 4 units • For AI, with 3 screws, gold-plated; 4 units	6ES7292-1AP30-0XA0 6ES7292-1AH30-0XA0 6ES7292-1BC30-0XA0
RTD signal board SB 1231 1 input for resistance temperature sensors Pt 100, Pt 200, Pt 500, Pt 1000, resolution 15 bits + sign	6ES7231-5PA30-0XB0		
SB 1232 signal board 1 analog output, ±10 V with 12 bits or 0 to 20 mA with 11 bits	6ES7232-4HA30-0XB0		6ES7292-1AP30-0XA0 6ES7292-1AH40-0XA0 6ES7292-1BC30-0XA0
CB 1241 RS 485 communication board For point-to-point connection, with 1 RS 485 interface	6ES7241-1CH30-1XB0	RJ45 cable grip 4 units per pack Single port	6ES7290-3AA30-0XA0
BB1297 battery board For long-term backup of real-time clock, can be plugged into the signal board slot; battery (CR1025) is not included	6ES7297-0AX30-0XA0	Front flap set (spare part) For CPU 1211C/1212C	6ES7291-1AA30-0XA0
Digital input simulator SIM 1274 simulator module (optional) 8 input switches, for CPU 1211C / CPU 1212C	6ES7274-1XF30-0XA0	STEP 7 Professional / Basic V14 SP1 Target system: SIMATIC S7-1200, S7-1500, S7-300, S7-400, WinAC Requirement: Windows 7 Professional SP1 (64-bit), Windows 7 Enterprise SP1 (64-bit), Windows 7 Ultimate SP1 (64-bit), Windows 8.1 Professional (64-bit), Windows 8.1 Enterprise (64-bit), Windows 10 Professional Version 1607, Windows 10 Enterprise Version 1607, Windows 10 Enterprise 2016 LTSB, Windows 10 Enterprise 2015 LTSB, Windows Server 2008 R2 StdE (full installation), Windows Server 2012 StdE (full installation), Windows Server 2016 Standard (full installation); STEP 7 Basic V14 SP1 in addition: Windows 7 Home Premium SP1 (64-bit), Windows 8.1 (64-bit), Windows 10 Home Version 1607 Type of delivery: German, English, Chinese, Italian, French, Spanish	
Analog input simulator SIM 1274 simulator module (optional) 2 potentiometers	6ES7274-1XA30-0XA0	STEP 7 Professional V14 SP1, floating license	6ES7822-1AA04-0YA5
SIMATIC Memory Card (optional) 4 MB 12 MB 24 MB 256 MB 2 GB 32 GB	6ES7954-8LC02-0AA0 6ES7954-8LE02-0AA0 6ES7954-8LF02-0AA0 6ES7954-8LL02-0AA0 6ES7954-8LP02-0AA0 6ES7954-8LT03-0AA0	STEP 7 Professional V14 SP1, floating license, software download incl. license key ¹⁾ Email address required for delivery	6ES7822-1AE04-0YA5
Extension cable for two-tier configuration For connecting digital/analog signal modules; length 2 m	6ES7290-6AA30-0XA0	STEP 7 Basic V14 SP1, floating license	6ES7822-0AA04-0YA5
Starter box CPU 1212C AC/DC/relay Complete offer SIMATIC S7-1200, starter box, comprising: CPU 1212C AC/DC/relay, simulator, STEP 7 BASIC CD, manual CD, info material, in Systainer	6ES7212-1BD34-4YB0	STEP 7 Basic V14 SP1, floating license, software download incl. license key ¹⁾ Email address required for delivery	6ES7822-0AE04-0YA5
Terminal block (spare part) For CPU 1212C AC/DC/relay • For DI, with 14 screws, tin-coated, coded; 4 units • For DO, with 8 screws, tin-coated, coded; 4 units • For AI, with 3 screws, gold-plated; 4 units	6ES7292-1AP40-0XA0 6ES7292-1AH40-0XA0 6ES7292-1BC30-0XA0		

¹⁾ For up-to-date information and download availability, see:
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Overview



- Simulator module for program testing during commissioning and ongoing operation
- Simulation of 8 or 14 inputs

Technical specifications

Article number	6ES7274-1XF30-0XA0 S7-1200 SIMULATOR MODULE SIM1274, 8 INP	6ES7274-1XH30-0XA0 S7-1200 SIMULATOR MODULE SIM1274, 14 INP
General information		
Product type designation	SIM 1274 8Ch DI Simulator	SIM 1274 14Ch DI Simulator
Supply voltage		
Rated value (DC)	24 V	24 V
Digital inputs		
Number of digital inputs	8	14
Digital outputs		
Number of digital outputs	0	0
Degree and class of protection		
Degree of protection acc. to EN 60529		
• IP20	Yes	Yes
Dimensions		
Width	43 mm	67 mm
Height	35 mm	35 mm
Depth	23 mm	23 mm

Ordering data

Article No.

Digital input simulator SIM 1274 simulator module	
With 8 input switches, for CPU 1211C/1212C	6ES7274-1XF30-0XA0
With 14 input switches, for CPU 1214C/1215C	6ES7274-1XH30-0XA0
With 14 input switches, for CPU 1217C	6ES7274-1XK30-0XA0
Analog input simulator SIM 1274 simulator module	
2 potentiometers	6ES7274-1XA30-0XA0