



PLC HARDWARE



SIEMENS AUTOMATION S7-1200 G2

The Siemens **S7-1200 G2** raises the bar for compact yet high-performance automation controllers. This next-generation series delivers advanced motion control capabilities, handling complex tasks with improved speed and precision. Seamlessly integrated into the SIMATIC range, it provides greater scalability to suit diverse industrial needs.



Siemens
PLC's



Siemens
Distributed I/O



Siemens
HMI's



Siemens
Drives



SIEMENS S7-1200 G2 Product Range



**S7-1200 G2 CPU
Models**



**S7-1200 G2 Fail-safe
CPU models**



**S7-1200 G2 Signal
Modules**



**S7-1200 G2 Signal
Boards**



**S7-1200 G2 Power
Supply**

SIEMENS S7-1200 G2 Applications

SIEMENS S7-1200 G2 is ideal for a wide range of industrial applications, including:



Industrial Automation



Manufacturing Systems



Energy Management



Building Automation



Water & Wastewater Treatment



Material Handling

S7-1200 G2 CPU Models

Product Model	Description
6ES7212-1BG50-0XB0	<i>SIMATIC S7-1200 G2: compact CPU 1212C AC/DC/RLY; power supply: AC 85-264 V AC at 47-63 Hz; onboard I/O: 8x DI 24 V DC; 6 DO relay 2 A; memory: program 150 KB data: 500 KB, retentivity: 20 KB</i>
6ES7212-1AG50-0XB0	<i>SIMATIC S7-1200 G2: compact CPU 1212C DC/DC/DC; power supply: DC 20.4-28.8 V DC; onboard I/O: 8x DI 24 V DC; 6x DO 24 V DC; memory: program 150 KB data: 500 KB, retentivity: 20 KB</i>
6ES7212-1HG50-0XB0	<i>SIMATIC S7-1200 G2: compact CPU 1212C DC/DC/RLY; power supply: DC 20.4-28.8 V DC; onboard I/O: 8x DI 24 V DC; 6 DO relay 2 A; memory: program 150 KB data: 500 KB, retentivity: 20 KB</i>
6ES7214-1BH50-0XB0	<i>SIMATIC S7-1200 G2: compact CPU 1214C AC/DC/RLY; power supply: AC 85-264 V AC at 47-63 Hz; onboard I/O: 14x DI 24 V DC; 10 DO relay 2 A; memory: program 250 KB data: 750 KB, retentivity: 20 KB</i>
6ES7214-1AH50-0XB0	<i>SIMATIC S7-1200 G2: compact CPU 1214C DC/DC/DC; power supply: DC 20.4-28.8 V DC; onboard I/O: 14x DI 24 V DC; 10 DO 24 V DC; memory: program 250 KB data: 750 KB, retentivity: 20 KB</i>
6ES7214-1HH50-0XB0	<i>SIMATIC S7-1200 G2: compact CPU 1214C DC/DC/RLY; power supply: DC 20.4-28.8 V DC; onboard I/O: 14x DI 24 V DC; 10 DO relay 2 A; memory: program 250 KB data: 750 KB, retentivity: 20 KB</i>

S7-1200 G2 Fail-safe CPU models

Product Model	Description
6ES7212-1AF50-0XB0	<i>SIMATIC S7-1200 G2: failsafe compact CPU 1212FC DC/DC/DC; power supply: DC 20.4-28.8 V DC; onboard I/O: 8x DI 24 V DC; 6x DO 24 V DC; memory: program 200 KB data: 500 KB, retentivity: 20 KB</i>
6ES7212-1HF50-0XB0	<i>SIMATIC S7-1200 G2: failsafe compact CPU 1212FC DC/DC/RLY; power supply: DC 20.4-28.8 V DC; onboard I/O: 8x DI 24 V DC; 6 DO relay 2 A; memory: program 200 KB data: 500 KB, retentivity: 20 KB</i>



6ES7214-1AF50-0XB0	<i>SIMATIC S7-1200 G2: failsafe compact CPU 1214FC DC/DC/DC; power supply: DC 20.4-28.8 V DC; onboard I/O: 14x DI 24 V DC; 10x DO 24 V DC; memory: program 300 KB data: 750 KB, retentivity: 20 KB</i>
6ES7214-1HF50-0XB0	<i>SIMATIC S7-1200 G2: failsafe compact CPU 1214FC DC/DC/RLY; power supply: DC 20.4-28.8 V DC; onboard I/O: 14x DI 24 V DC; 10 DO relay 2 A; memory: program 300 KB data: 750 KB, retentivity: 20 KB</i>

S7-1200 G2 Signal Modules

Product Model	Description
6ES7221-1BH50-0XB0	<i>SIMATIC S7-1200 G2: SM 1221 digital input, 16 DI; inputs: 16x DI 24 V DC sink/source</i>
6ES7222-5BH50-0XB0	<i>SIMATIC S7-1200 G2: SM 1222 digital output, 16 DO; outputs: 16x DO, 24 V DC 0.5 A, sourcing transistor</i>
6ES7222-5HH50-0XB0	<i>SIMATIC S7-1200 G2: SM 1222 digital output, 16 relays; outputs: 16x DO, relay 2 A</i>
6ES7223-5BH50-0XB0	<i>SIMATIC S7-1200 G2: SM 1223 digital I/O, 8 DI/8 DO inputs: 8x DI 24 V DC sink/source outputs: 8x DO, 24 V DC 0.5 A, sourcing transistor</i>
6ES7223-5PH50-0XB0	<i>SIMATIC S7-1200 G2: SM 1223 digital I/O, 8 DI/8 RLY; inputs: 8x DI 24 V DC sink/source; outputs: 8x DO relay 2 A</i>
6ES7231-4HF50-0XB0	<i>SIMATIC S7-1200 G2: SM 1231 analog input, 8 AI; inputs: 8x AI 14 bit ADC (+/-10 V, +/-5 V, +/-2.5 V or 0-20 mA/4-20 mA)</i>
6ES7232-4HF50-0XB0	<i>SIMATIC S7-1200 G2: SM 1232 analog output, 8 AO; outputs: 8x AQ 14 bit DAC (+/-10 V, 0-20 mA or 4-20 mA)</i>
6ES7233-4HF50-0XB0	<i>SIMATIC S7-1200 G2: SM 1233 analog I/O, 4 AI/4 AO; inputs: 4x AI 14 bit ADC (+/-10 V, +/-5 V, +/-2.5 V or 0-20 mA/4-20 mA); outputs: 4x AQ 14 bit DAC (+/-10 V, 0-20 mA or 4-20 mA)</i>



S7-1200 G2 Signal Boards

Product Model	Description
6ES7221-3BF50-0XB0	<i>SIMATIC S7-1200 G2: SB 1221 digital input, 8 DI 100 kHz; inputs: 8x DI 24 V DC sink/source, 100 kHz</i>
6ES7222-5BF50-0XB0	<i>SIMATIC S7-1200 G2: SB 1222 digital output, 8 DO 100 kHz; outputs: 8x DQ 24 V DC 0.1 A sinking/sourcing transistor, 100 kHz</i>
6ES7223-7BF50-0XB0	<i>SIMATIC S7-1200 G2: SB 1223 digital I/O, 4 DI/4 DO 100 kHz; inputs: 4 x DI 24 V DC sink/source, 100 kHz; outputs: 4 x DQ 24 V DC 0.1 A sinking/sourcing transistor, 100 kHz</i>
6ES7223-7BF50-0XB0	<i>SIMATIC S7-1200 G2: SB 1223 digital I/O, 4 DI/4 DO 100 kHz; inputs: 4 x DI 24 V DC sink/source, 100 kHz; outputs: 4 x DQ 24 V DC 0.1 A sinking/sourcing transistor, 100 kHz</i>
6ES7231-4HD50-0XB0	<i>SIMATIC S7-1200 G2: SB 1231 analog input, 4 AI; inputs: 4 x AI 14 bit ADC (+/-10 V, +/-5 V, +/-2.5 V or 0-20 mA/4-20 mA)</i>
6ES7232-4HD50-0XB0	<i>SIMATIC S7-1200 G2: SB 1232 analog output, 4 AO, outputs: 4 x AQ 14 bit DAC (+/-10 V, 0-20 mA or 4-20 mA)</i>
6ES7233-4HD50-0XB0	<i>SIMATIC S7-1200 G2: SB 1233 analog I/O, 2 AI/2 AO inputs: 2 x AI 14 bit ADC (+/-10 V, +/-5 V, +/-2.5 V or 0-20 mA/4-20 mA) outputs: 2 x AQ 14 bit DAC (+/-10 V, 0-20 mA or 4-20 mA)</i>

S7-1200 G2 Power Supply

Product Model	Description
6EP3333-4SC00-3AX0	<i>SIMATIC S7-1200 power module PM 1207 EX 24 V/5 A stabilized power supply input: 120 - 240 V AC/DC output: 24 V DC/5 A with UDI diagnostic interface</i>
6EP3333-4SB00-3AX0	<i>SIMATIC S7-1200 power module PM 1207 24 V/5 A stabilized power supply input: 120 - 240 V AC/DC output: 24 V DC/5 A with UDI diagnostic interface</i>