

# Looking to Migrate from the S7-1200 to the **S7-1200 G2?**



S7-1200 phaseout starting **November 1, 2026.**

Siemens Platinum Distributor



## STEP 1 · INSTALLATION

### Check Your Installation

Verify DIN rail spacing and panel layout. G2 is narrower but slightly taller and deeper. Push-in terminals allow pre-wiring before the swap to minimize downtime.



## STEP 2 · HARDWARE

### Review Your Hardware

First-gen I/O cards are not compatible with G2. Identify any analog I/O channels — the G2 moves analog to Signal Boards. Contact EandM for a hardware review.



## STEP 3 · SOFTWARE

### Migrate Your Program

TIA Portal V20 required, V21 recommended. The Migration Tool Add-in migrates your existing program without rewriting — right-click your PLC in TIA Portal to start.

## QUICK SPEC COMPARISON

SPEC	S7-1200 CLASSIC	S7-1200 G2
Bit Performance	85 ns	40 ns <span>2x faster</span>
Processing	Single-core	Multi-core
CPU 1214 Width	110 mm	80 mm <span>-27%</span>
1214C Program Memory	150 kB	250 kB / 750 kB data
PROFINET Devices	16	31
NFC / Web API	No / Subset	Yes / Full
Wiring	Screw terminals	Push-in terminals
Motion Control	Single axes	Coordinated + kinematics

## PRICE & AVAILABILITY — S7-1200 G1 VS G2

S7-1200 CLASSIC · CPU 1212C

**\$495**

4 Week Lead Time

S7-1200 G2 · CPU 1212C

**\$395**

In Stock Now

\$100 less

S7-1200 CLASSIC · CPU 1214C

**\$745**

4 Week Lead Time

S7-1200 G2 · CPU 1214C

**\$680**

In Stock Now

\$65 less

List pricing. Contact EandM for quote pricing. Failsafe CPUs, signal modules & signal boards also available.



## Got Questions About Switching?

We can connect you with our Siemens product specialist team — they work hands-on with these platforms every day and can walk through your specific configuration before you order anything.

EMAIL  
[insidesales@eandm.com](mailto:insidesales@eandm.com)

PHONE  
**866-693-2636**

WEB  
[eandm.com](http://eandm.com)

# S7-1200 G1 → G2 Part Number Migration Reference



Siemens Platinum Distributor

## COMPLETE PART NUMBER CROSS-REFERENCE — S7-1200 G1 TO G2

S7-1200 GEN 1 PRODUCT	G1 PART NO.		S7-1200 G2 PART NO.	S7-1200 G2 SUCCESSOR
CPU 1211C, DC/DC/DC, 6DI/4DO/2AI	6ES7211-1AE40-0XB0	▶	6ES7212-1AG50-0XB0	CPU 1212C, DC/DC/DC, 8DI/6DO
CPU 1211C, AC/DC/Relay, 6DI/4DO/2AI	6ES7211-1BE40-0XB0	▶	6ES7212-1BG50-0XB0	CPU 1212C, AC/DC/Relay, 8DI/6DO
CPU 1211C, DC/DC/Relay, 6DI/4DO/2AI	6ES7211-1HE40-0XB0	▶	6ES7212-1HG50-0XB0	CPU 1212C, DC/DC/Relay, 8DI/6DO
CPU 1212C, DC/DC/DC, 8DI/6DO/2AI	6ES7212-1AE40-0XB0	▶	6ES7212-1AG50-0XB0	CPU 1212C, DC/DC/DC, 8DI/6DO
CPU 1212C, AC/DC/Relay, 8DI/6DO/2AI	6ES7212-1BE40-0XB0	▶	6ES7212-1BG50-0XB0	CPU 1212C, AC/DC/Relay, 8DI/6DO
CPU 1212C, DC/DC/Relay, 8DI/6DO/2AI	6ES7212-1HE40-0XB0	▶	6ES7212-1HG50-0XB0	CPU 1212C, DC/DC/Relay, 8DI/6DO
CPU 1214C, DC/DC/DC, 14DI/10DO/2AI	6ES7214-1AG40-0XB0	▶	6ES7214-1AH50-0XB0	CPU 1214C, DC/DC/DC, 14DI/10DO
CPU 1214C, AC/DC/Relay, 14DI/10DO/2AI	6ES7214-1BG40-0XB0	▶	6ES7214-1BH50-0XB0	CPU 1214C, AC/DC/Relay, 14DI/10DO
CPU 1214C, DC/DC/Relay, 14DI/10DO/2AI	6ES7214-1HG40-0XB0	▶	6ES7214-1HH50-0XB0	CPU 1214C, DC/DC/Relay, 14DI/10DO
CPU 1215C, DC/DC/DC, 14DI/10DO/2AI/2AO	6ES7215-1AG40-0XB0	▶	6ES7214-1AH50-0XB0	CPU 1214C, DC/DC/DC, 14DI/10DO
CPU 1215C, AC/DC/Relay, 14DI/10DO/2AI/2AO	6ES7215-1BG40-0XB0	▶	6ES7214-1BH50-0XB0	CPU 1214C, AC/DC/Relay, 14DI/10DO
CPU 1215C, DC/DC/Relay, 14DI/10DO/2AI/2AO	6ES7215-1HG40-0XB0	▶	6ES7214-1HH50-0XB0	CPU 1214C, DC/DC/Relay, 14DI/10DO
CPU 1217C, DC/DC/DC, 14DI/10DO/2AI/2AO	6ES7217-1AG40-0XB0	▶	6ES7214-1AH50-0XB0	CPU 1214C, DC/DC/DC, 14DI/10DO
CPU 1212FC, DC/DC/DC, 8DI/6DO/2AI	6ES7212-1AF40-0XB0	▶	6ES7212-1AF50-0XB0	CPU 1212FC, DC/DC/DC, 8DI/6DO
CPU 1212FC, DC/DC/Relay, 8DI/6DO/2AI	6ES7212-1HF40-0XB0	▶	6ES7212-1HF50-0XB0	CPU 1212FC, DC/DC/Relay, 8DI/6DO
CPU 1214FC, DC/DC/DC, 14DI/10DO/2AI	6ES7214-1AF40-0XB0	▶	6ES7214-1AF50-0XB0	CPU 1214FC, DC/DC/DC, 14DI/10DO
CPU 1214FC, DC/DC/Relay, 14DI/10DO/2AI	6ES7214-1HF40-0XB0	▶	6ES7214-1HF50-0XB0	CPU 1214FC, DC/DC/Relay, 14DI/10DO
CPU 1215FC, DC/DC/DC, 14DI/10DO/2AI/2AO	6ES7215-1AF40-0XB0	▶	6ES7214-1AF50-0XB0	CPU 1214FC, DC/DC/DC, 14DI/10DO
CPU 1215C, DC/DC/Relay, 14DI/10DO/2AI/2AO	6ES7215-1HF40-0XB0	▶	6ES7214-1HF50-0XB0	CPU 1214FC, DC/DC/Relay, 14DI/10DO
Signal Board SB 1221, 4 DI 24VDC	6ES7221-3BD30-0XB0	▶	6ES7221-3BF50-0XB0	Signal Board SB 1221, 8 DI 24VDC
Signal Board SB 1221, 4 DI 5VDC	6ES7221-3AD30-0XB0	▶	6ES7223-7AF50-0XB0	Signal Board SB 1223, 4 DI / 4 DO 5VDC
Signal Board SB1222, 4 DO 24VDC	6ES7222-1BD30-0XB0	▶	6ES7222-5BF50-0XB0	Signal Board SB 1222, 8 DO 24VDC
Signal Board SB1222, 4 DQ 5VDC	6ES7222-1AD30-0XB0	▶	6ES7223-7AF50-0XB0	Signal Board SB 1223, 4 DI / 4 DO 5VDC
Signal Board SB1223, 2 DI/2 DO 24VDC	6ES7223-0BD30-0XB0	▶	6ES7223-7BF50-0XB0	Signal Board SB 1223, 4 DI / 4 DO 24VDC
Signal Board SB 1223, 2 DI/2 DO 24VDC	6ES7223-3BD30-0XB0	▶	6ES7223-7BF50-0XB0	Signal Board SB 1223, 4 DI / 4 DO 24VDC
Signal Board SB 1223, 2 DI/2 DO 5VDC	6ES7223-3AD30-0XB0	▶	6ES7223-7AF50-0XB0	Signal Board SB 1223, 4 DI / 4 DO 5VDC
Signal Board SB 1231, 1 AI	6ES7231-4HA30-0XB0	▶	6ES7231-4HD50-0XB0	Signal Board SB 1231, 4 AI
Signal Board SB 1232, 1 AO	6ES7232-4HA30-0XB0	▶	6ES7232-4HD50-0XB0	Signal Board SB 1232, 4 AO
Signal Board SB 1231 RTD, 1 AI RTD	6ES7231-5PA30-0XB0	▶	6ES7231-5PB50-0XB0	Signal Board SB 1231 RTD, 2 AI RTD
Signal Board SB 1231 TC, 1 AI TC	6ES7231-5QA30-0XB0	▶	6ES7231-5QD50-0XB0	Signal Board SB 1231 TC, 4 AI TC
Digital input SM 1221, 8 DI, 24V DC	6ES7221-1BF32-0XB0	▶	6ES7221-1BH50-0XB0	Digital input SM 1221, 16 x 24V DC Input
Digital input SM 1221, 16 DI, 24V DC	6ES7221-1BH32-0XB0	▶	6ES7221-1BH50-0XB0	Digital input SM 1221, 16 x 24V DC Input
Digital output SM 1222, 8 DO, Changeover	6ES7222-1XF32-0XB0	▶	6ES7222-5HH50-0XB0	Digital output SM 1222, 16 x RLY Output
Digital output SM1222, 16 DO, Relay	6ES7222-1HH32-0XB0	▶	6ES7222-5HH50-0XB0	Digital output SM 1222, 16 x RLY Output
Digital output SM1222, 8 DO, 24V DC	6ES7222-1BF32-0XB0	▶	6ES7222-5BH50-0XB0	Digital output SM 1222, 16 x 24V DC Output
Digital output SM1222, 16 DO, 24V DC	6ES7222-1BH32-0XB0	▶	6ES7222-5BH50-0XB0	Digital output SM 1222, 16 x 24V DC Output
Digital I/O SM 1223, 8DI/8DO, 24V DC/RLY	6ES7223-5PH32-0XB0	▶	6ES7223-5PH50-0XB0	Digital I/O SM 1223, 8DI/8DO, 24V DC/RLY
Digital I/O SM 1223, 8DI/8DO 24V DC/DC	6ES7223-1BH32-0XB0	▶	6ES7223-5BH50-0XB0	Digital I/O SM 1223, 8DI/8DO 24V DC/DC
Analog input SM 1231, 4 AI	6ES7231-4HD32-0XB0	▶	6ES7231-4HF50-0XB0	Analog input SM 1231, 8 AI
Analog input SM 1231, 8 AI	6ES7231-4HF32-0XB0	▶	6ES7231-4HF50-0XB0	Analog input SM 1231, 8 AI
Analog output SM 1232, 2 AO	6ES7232-4HB32-0XB0	▶	6ES7232-4HF50-0XB0	Analog output SM 1232, 4 AO
Analog output SM 1232, 4 AO	6ES7232-4HD32-0XB0	▶	6ES7232-4HF50-0XB0	Analog output SM 1232, 4 AO
Analog I/O SM 1234, 4 AI/2 AO	6ES7234-4HE32-0XB0	▶	6ES7233-4HF50-0XB0	Analog I/O SM 1234, 4 AI/4 AO
Analog input SM 1231 RTD, 4 AI	6ES7231-5PD32-0XB0	▶	6ES7231-5PD50-0XB0	Analog input SM 1231 RTD, AI 4x RTD
Analog input SM 1231 RTD, 8 AI	6ES7231-5PF32-0XB0	▶	6ES7231-5PD50-0XB0	Analog input SM 1231 RTD, AI 4x RTD
Analog input SM 1231 TC, 4 AI	6ES7231-5QD32-0XB0	▶	6ES7231-5QF50-0XB0	Analog input SM 1231 TC, AI 8x TC
Analog input SM 1231 TC, 8 AI	6ES7231-5QF32-0XB0	▶	6ES7231-5QF50-0XB0	Analog input SM 1231 TC, AI 8x TC
Communication Board, CB 1241, RS485	6ES7241-1CH30-1XB0	▶	6ES7241-1CA50-0XB0	Communication Board, CB 1241, RS485
Communication Module, CM 1241, RS232	6ES7241-1AH32-0XB0	▶	6ES7241-1EA50-0XB0	Communication Module, CM 1241, RS232/422/485
Communication Module, CM 1241, RS422/485	6ES7241-1CH32-0XB0	▶	6ES7241-1EA50-0XB0	Communication Module, CM 1241, RS232/422/485
Compact Switch Module, CSM 1277	6GK7277-1AA10-0AA0	▶	6GK7277-1AA50-0AA0	Compact Switch Module, CSM 1277
PM1207/1AC/DC24V/2.5A	6EP1332-1SH71	▶	6EP3333-4SB00-3AX0	PM 1207/1AC/DC24V/5 A