

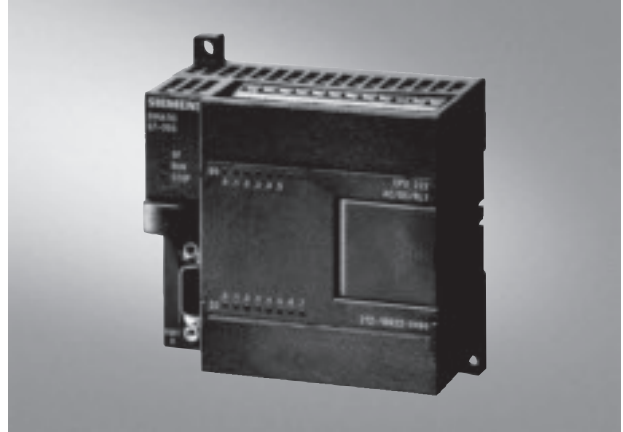
### Overview

S7-221



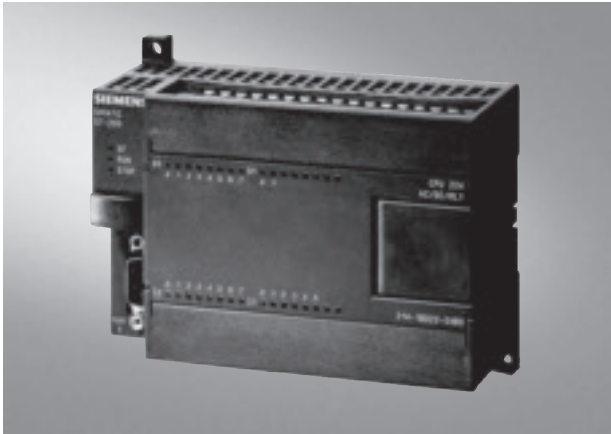
- The smart compact CPU
- With 10 inputs/outputs on board
- Not expandable

S7-222



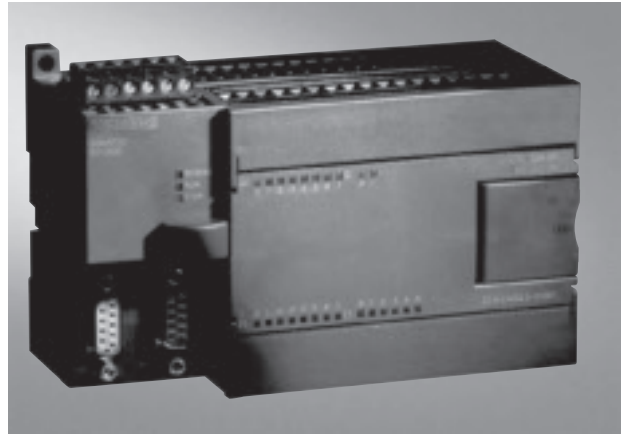
- The superior compact CPU
- With 14 inputs/outputs on board
- Expandable with up to 2 expansion modules

S7-224



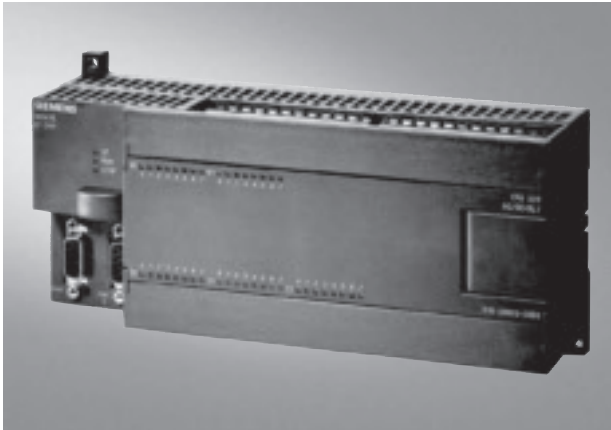
- The compact high-performance CPU
- With 24 inputs/outputs on board
- Expandable with up to 7 expansion modules

S7-224 XP



- The power CPU
- With additional PPI port for added flexibility and communication options
- With 24 digital and 3 analog inputs/outputs onboard
- Expandable with up to 7 expansion modules

S7-226



- The high-performance CPU
- With additional PPI port for added flexibility and communication options
- With 40 inputs/outputs on board
- Expandable with up to 7 expansion modules

# SIMATIC S7-200

## Central Processing Units

CPU 221, 222, 224, 224 XP, 226

Ordering Data	Order No.	Order No.
<b>CPU 221</b> Compact CPU, 4 KB RAM, 24 V DC supply voltage, 6 DI/4 DO integrated Compact CPU, 4 KB RAM, 100 to 230 V AC supply voltage, 6 DI/4 DO integrated, relay outputs	<b>6ES72110AA230XB0</b>  <b>6ES72110BA230XB0</b>	<b>Memory module MC 291, EEPROM</b> for CPU 221/222/224/224 XP/226 64 KB 256 KB <b>Optional battery module</b> <b>Optional combined clock and battery module</b> for CPU 221/222 only
<b>CPU 222</b> Compact CPU, expandable, 4 KB RAM, 24 V DC supply voltage, 8 DI/6 DO integrated Compact CPU, expandable, 4 KB RAM, 100-230 V AC, 8 DI/6 DO integrated, relay outputs	<b>6ES72121AB230XB0</b>  <b>6ES72121BB230XB0</b>	<b>6ES72918GF230XA0</b> <b>6ES72918GH230XA0</b> <b>6ES72918BA200XA0</b> <b>6ES72971AA230XA0</b>
<b>CPU 224</b> Compact CPU, expandable, 8/12 KB RAM for program, 8 KB RAM for data, 24 V DC supply voltage, 14 DI/10 DO, integrated Compact CPU, expandable, 8/12 KB RAM for program, 8 KB RAM for data, 100 - 230 V AC supply voltage, 14 DI/10 DO, integrated, relay outputs	<b>6ES72141AD230XB0</b>  <b>6ES72141BD230XB0</b>	<b>6ES79013CB300XA0</b> <b>6ES79013DB300XA0</b> <b>6ES72906AA200XA0</b>
<b>CPU 224 XP</b> Compact CPU, expandable, 12/16 KB RAM for program, 10 KB RAM for data, 24 V DC supply voltage, 14 DI/10 DO/2 AI/1 AO integrated Compact CPU, expandable, 12/16 KB RAM for program, 10 KB RAM for data, 100 - 230 V AC supply voltage, 14 DI/10 DO (relay outputs) 2 AI/1 AO integrated	<b>6ES72142AD230XB0</b>  <b>6ES72142BD230XB0</b>	<b>Intelligent RS 232/PPI multimaster cable</b> for connecting devices with an RS 232 interface to the SIMATIC S7-200 or PPI network; master in the multimaster PPI network <b>Intelligent USB/PPI multimaster cable</b> for connecting devices with an USB interface to the SIMATIC S7-200 or PPI network; master in the multimaster PPI network <b>Backplane bus expansion cable</b> for connecting the two equipment tiers in a two-tier configuration, for CUP 222/224/224 XP/226 <b>MPI cable</b> 5 m for connecting the S7-200 to the MPI
<b>CPU 226</b> Compact CPU, expandable, 16/24 KB RAM for program, 10 KB RAM for data, 24 V DC supply voltage, 24 DI/16 DO, integrated Compact CPU, expandable, 16/24 KB RAM for program, 10 KB RAM for data, 100 - 230 V AC supply voltage, 24 DI/16 DO, integrated, relay outputs	<b>6ES72162AD230XB0</b>  <b>6ES72162BD230XB0</b>	<b>SIM 274 simulator (optional)</b> with 8 connection terminals for CPU 221/222 with 14 connection terminals for CPU 224/224 XP with 24 connection terminals for CPU 226 <b>Front flap set (spare part)</b> contains different covering flaps for CPU and EM <b>Plug-in terminal block (spare part)</b> with 12 connections (for CPU 22x) with 18 connections (for CPU 224) with 14 connection terminals (for CPU 226)
<b>STEP 7 Micro/WIN V4 programming software</b> <i>Target system:</i> All CPUs of the SIMATIC S7-200 range <i>Requirements:</i> Windows 2000/XP on PG or PC <i>delivery type:</i> English, German, French, Spanish, Italian, Chinese; with online documentation Single license Upgrade single license	<b>6ES72913AX200XA0</b>  <b>6ES72921AE200AA0</b> <b>6ES72921AG200AA0</b> <b>6ES72921AF200AA0</b>  <b>6ES72988FA248BH0</b>  <b>6ES78102CC030YX0</b> <b>6ES78102CC030YX3</b>	<b>S7-200 programmable controller, system manual</b> for CPU 221/222/224/224 XP/226 and STEP 7-Micro/Win V4 English