

SIMATIC S7-400 AUTOMATION SYSTEMS

Product Data Sheet

6ES7412-2XG04-0AB0

CPU 412-2 central processor

FUNCTION	FAMILY	ORIGIN	WEIGHT
CPU 412-2 central processor	SIMATIC S7-400 automation systems	Germany	Confirm before dispatch

S7-400 6ES7412-2XG04-0AB0 is a CPU 412-2 central processor for the SIMATIC S7-400 automation systems. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Exact Article Code	6ES7412-2XG04-0AB0
Product Class	Cpu 412-2 Central Processor
Product Family	SIMATIC S7-400 automation systems
Firmware version	V4.0
Programming package	STEP 7 V5.2 SP1 HF3 or higher with HW update
CiR synchronization time, basic load	100 ms
CiR synchronization time, time per I/O byte	200 µs
from backplane bus 5 V DC, typ.	1 A
from backplane bus 5 V DC, max.	1.2 A
from backplane bus 24 V DC, max.	Total current consumption of the components connected to the MPI/DP interfaces, but no more than 150 mA per interface

Power loss, typ.	4.5 W
integrated (for program)	128 kbyte
expandable FEPRM	Yes; with Memory Card (FLASH)
expandable FEPRM, max.	64 Mbyte
integrated RAM, max.	256 kbyte

- Processing and packaging lines for CPU 412-2 central processor: Production sequence tasks ■ CPU process signal handling ■ CPU operating status exchange
- Process skids and utilities for CPU 412-2 central processor: Operational control tasks ■ CPU process signal handling ■ CPU operating status exchange
- Batch and continuous processing for CPU 412-2 central processor: Process control tasks ■ CPU process signal handling ■ CPU operating status exchange

Match 6ES7412-2XG04-0AB0 to the installed SIMATIC S7-400 automation systems, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

[Manufacturer official product documentation](#)

<https://support.industry.siemens.com/>

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