

SIMATIC S7-400

Product Data Sheet

6ES7414-2XG03-0AB0

central processing unit

FUNCTION central processing unit	FAMILY SIMATIC S7-400	ORIGIN Germany	WEIGHT 1.30 kg
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S7-400 6ES7414-2XG03-0AB0 is a central processing unit for the SIMATIC S7-400. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

CPU Designation	CPU 414-2
Working Memory	256 Kbyte integrated
Program Memory	128 Kbyte for code
Data Memory	128 Kbyte for data
Primary Interface	MPI/DP at 12 Mbit/s
Secondary Interface	PROFIBUS DP
Backplane Current	1.5 A typical at 5 V DC
Peak Backplane Current	1.6 A maximum at 5 V DC
Interface Current	300 mA maximum at 24 V DC
Power Loss	7.5 W typical

ADDITIONAL PRODUCT DATA

Flash Expansion	64 Mbyte FEPR0M maximum
RAM Expansion	64 Mbyte RAM maximum
Backup Current	40 μ A typical
CiR Base Time	100 ms
CiR Byte Time	120 μ s per I/O byte

OFFICIAL APPLICATIONS

- Press lines and robotic welding cells: Remote Station Systems
- Mill drives and furnace auxiliaries: Energy Management Systems
- Paper machine wet-end systems: Drive Coordination Systems

SYSTEM COMPATIBILITY

Match 6ES7414-2XG03-0AB0 to the installed SIMATIC S7-400, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[Siemens official manufacturer documentation](#)

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

AMIKON PRODUCT SUPPORT

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