

SIMATIC AUTOMATION SYSTEMS

Product Data Sheet

6ES7416-2XK04-0AB0

central processing unit module

FUNCTION central processing unit module	FAMILY SIMATIC automation systems	ORIGIN Germany	WEIGHT 0.87 kg
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Siemens SIMATIC S7 6ES7416-2XK04-0AB0 is a central processing unit module for the SIMATIC automation systems. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Firmware version	V4.0
Resolution	1 ms
integrated (for program)	1 400 kbyte
MPI	Yes
Number of connectable IMs (total), max.	6
Number of connectable IM 463s, max.	4; IM 463-2
Output current of the interface, max.	150 mA
Power loss, typ.	4.5 W
expandable	No
expandable FEPRM, max.	64 Mbyte

ADDITIONAL PRODUCT DATA

OFFICIAL APPLICATIONS

- Execute deterministic automation sequences: Use 6ES7416-2XK04-0AB0 for cyclic logic, program execution and distributed I/O coordination in the documented SIMATIC automation systems. Preserve the approved hardware configuration and program backup.
- Connect configured PROFINET or PROFIBUS devices: Maintain the documented network names, addresses, topology and controller interfaces assigned to 6ES7416-2XK04-0AB0. Validate reachable devices before enabling controlled equipment.
- Restore the controller project safely: Load the approved project to 6ES7416-2XK04-0AB0, review diagnostics and test interlocks, I/O updates, alarms and commanded sequences before returning the plant section to service.

SYSTEM COMPATIBILITY

Match 6ES7416-2XK04-0AB0 to the installed SIMATIC automation systems, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[Siemens Industry Mall technical product data](#)

<https://mall.industry.siemens.com/mall/en/kettanehjoown/Catalog/Product?SiepCountryCode=OE&mlfb=6ES7416-2XK04-0AB0>

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM