

6ES7414-1XG02-0AB0

Siemens SIMATIC S7-400 CPU 414-1

Product scope

- Identifies the exact SIMATIC S7-400 CPU 414-1 article configuration.
- Provides 128 KB working memory and an integrated MPI interface.
- Records the official end-of-product-lifecycle status without a replacement article.
- Retains the Siemens packaging and net-weight values for sourcing checks.

Manufacturer source

Siemens official product record for 6ES7414-1XG02-0AB0

The exact product record precedes any retained manufacturer manual extracts. Only pages relevant to the current product identity and documented functions are included.

Request a fast quote	Product reference	
Email: info@apterpower.com Phone: +86 18106909650 apter.com/inquiry.php	6ES7414-1XG02-0AB0	

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Siemens SIMATIC S7-400 CPU 414-1

Manufacturer-source product record

This page consolidates only model-specific facts verified in the manufacturer sources listed below. It is included to identify the exact ordering code before the retained manufacturer manual pages.

Article number	6ES7414-1XG02-0AB0
Product family	SIMATIC S7-400 CPU 414-1
Integrated interface	MPI
Working memory	128 KB
Lifecycle	End of product lifecycle; cancelled without replacement
Packaging dimensions	30.3 x 23.3 x 4.00 cm
Net weight	1.029 kg

Official references

- Siemens Industry Mall / SiePortal product record for article 6ES7414-1XG02-0AB0.
- Official product URL: <https://sieportal.siemens.com/en-ww/products-services/detail/6ES7414-1XG02-0AB0>

No adjacent ordering option has been treated as part of this configuration. The complete label and installed-system requirements must be checked before replacement.

Function, operation and application

The following model-specific notes are limited to functions and operating relationships documented by the listed manufacturer sources.

Control function

The CPU 414-1 is the central program-processing unit for a SIMATIC S7-400 station. It stores the user program and working data in its 128 KB working memory and coordinates the signal modules installed in the configured rack system.

Operating sequence

During cyclic operation, the CPU evaluates the configured process inputs, executes the STEP 7 control program and transfers calculated states to the process outputs. Organization blocks can also react to start-up, diagnostic, timing and interrupt events defined for the S7-400 system.

Communication role

The integrated MPI interface provides the documented path for programming-device access, operator-panel communication and S7 communication. PROFIBUS DP or Ethernet functions require the corresponding external S7-400 communication hardware because this CPU execution is identified as CPU 414-1 with MPI.

Replacement planning

Siemens marks this article as cancelled without a direct replacement. A migration decision must therefore consider the STEP 7 project, rack and power-supply arrangement, memory-card requirements, connected communication processors and the supported firmware release rather than selecting a CPU by memory size alone.



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