

INDUSTRIAL AUTOMATION PRODUCT

6ES7414-1XG02-0AB0

CPU Module

Siemens 6ES7414-1XG02-0AB0 is a SIMATIC S7-400 CPU 414-1 with 128 KB working memory and an MPI interface. Preserve the complete firmware and project configuration when replacing this legacy CPU.

IDENTITY	VERIFIED VALUE
Manufacturer	Siemens
Complete model	6ES7414-1XG02-0AB0
Product role	CPU Module
System family	SIMATIC S7-400 CPU 414-1

DOCUMENT SCOPE

Exact identity, manufacturer-supported technical data, installation checks, applications, precautions and controlled verification records.

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6ES7414-1XG02-0AB0

Technical Specifications

PARAMETER	VERIFIED VALUE
Complete model	6ES7414-1XG02-0AB0
Controller family	SIMATIC S7-400
CPU	CPU 414-1
Working memory	128 KB
Integrated interface	MPI
Hardware version	Version 9 listed for this order number
DPV1 mode	Not supported for this older CPU; use the GSD-file path documented by Siemens

Model-Specific Engineering Note

ENGINEERING BOUNDARY

Use only the complete Siemens 6ES7414-1XG02-0AB0 identity and the current manufacturer documentation. Confirm installed hardware, wiring, firmware or parameter compatibility and the approved maintenance record before replacement or release.

Pre-Installation Checks

NO.	REQUIRED CHECK
1	Verify the complete Siemens 6ES7414-1XG02-0AB0 marking before work.
2	Review the current Siemens source documentation and the installed-system record.
3	Record the slot, connector, terminal and companion-hardware arrangement before removal.
4	Place the controller, drive or machine in the approved maintenance state before handling.
5	Use ESD controls and protect keyed connectors, terminals and circuit-board components.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Siemens 6ES7400-0HR51-4AB0	View Siemens 6ES7400-0HR51-4AB0
Siemens 6ES7400-1JA11-0AA0	View Siemens 6ES7400-1JA11-0AA0
Siemens 6ES7400-1JA11-0AA1	View Siemens 6ES7400-1JA11-0AA1
Siemens 6ES7400-2JA00-0AA0	View Siemens 6ES7400-2JA00-0AA0
Siemens 6ES7400-2JA10-0AA1	View Siemens 6ES7400-2JA10-0AA1

System Role and Architecture

Siemens 6ES7414-1XG02-0AB0 is a SIMATIC S7-400 CPU 414-1 with 128 KB working memory and an MPI interface. Preserve the complete firmware and project configuration when replacing this legacy CPU.

FUNCTION 1
CPU 414-1 processing

FUNCTION 2
128 KB working memory

FUNCTION 3
MPI communication

FUNCTION 4
S7-400 rack integration

Common Applications

APPLICATION	ENGINEERING CONTEXT
Process automation	Executes an approved S7-400 control program.
Machine sequencing	Runs configured sequence and interlock logic.
MPI networking	Communicates through the documented MPI interface.
Legacy maintenance	Maintains an installed CPU 414-1 project.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Siemens 6ES7405-0KA02-0AA0	View Siemens 6ES7405-0KA02-0AA0
Siemens 6ES7407-0DA01-0AA0	View Siemens 6ES7407-0DA01-0AA0
Siemens 6ES7407-0RA02-0AA0	View Siemens 6ES7407-0RA02-0AA0
Siemens 6ES7410-5HX08-0AB0	View Siemens 6ES7410-5HX08-0AB0

CONTROLLED ACCEPTANCE DUTY
Confirm identity, physical interface, companion hardware, configured values and functional response against the installed-system record before release.

Engineering Precautions

NO.	PRECAUTION
1	Verify the complete Siemens 6ES7414-1XG02-0AB0 marking before work.
2	Review the current Siemens source documentation and the installed-system record.
3	Record the slot, connector, terminal and companion-hardware arrangement before removal.
4	Place the controller, drive or machine in the approved maintenance state before handling.
5	Use ESD controls and protect keyed connectors, terminals and circuit-board components.
6	Confirm the documented electrical and interface values for 6ES7414-1XG02-0AB0 before energization.
7	Restore wiring, shielding, grounding and mechanical retention exactly as documented.
8	Run model-specific diagnostics and a controlled functional test before production release.

Model-Specific FAQ - Part 1

QUESTION	ANSWER
What is Siemens 6ES7414-1XG02-0AB0?	Siemens 6ES7414-1XG02-0AB0 is a SIMATIC S7-400 CPU 414-1 with 128 KB working memory and an MPI interface. Preserve the complete firmware and project configuration when replacing this legacy CPU.
Which product family includes 6ES7414-1XG02-0AB0?	The official manufacturer record identifies it within the SIMATIC S7-400 CPU 414-1 family.
Which exact identity must be retained?	Record the complete Siemens 6ES7414-1XG02-0AB0 marking; do not shorten or replace the suffix.
Which key technical value is documented?	Controller family: SIMATIC S7-400.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Siemens 6ES7414-2XG02-0AB0	View Siemens 6ES7414-2XG02-0AB0
Siemens 6ES7414-2XL07-0AB0	View Siemens 6ES7414-2XL07-0AB0
Siemens 6ES7414-3EM07-0AB0	View Siemens 6ES7414-3EM07-0AB0
Siemens 6ES7414-3FM07-0AB0	View Siemens 6ES7414-3FM07-0AB0
Siemens 6ES7414-4HJ04-0AB0	View Siemens 6ES7414-4HJ04-0AB0

Model-Specific FAQ - Part 2

QUESTION	ANSWER
What must be checked before removal?	Record the slot, connectors, terminals, companion hardware and configured function from the installed system.
Can a nearby model be substituted?	No. A different suffix or family member requires documented electrical, mechanical, firmware and interface approval.
What installation controls are required?	Use the current manufacturer procedure, approved maintenance state, ESD controls and the documented wiring and grounding arrangement.
What confirms successful commissioning?	Identity and connections match the record, diagnostics pass and the controlled functional test has no unexplained fault.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Siemens 6ES7414-4HM14-0AB0	View Siemens 6ES7414-4HM14-0AB0
Siemens 6ES7414-5HM06-0AB0	View Siemens 6ES7414-5HM06-0AB0
Siemens 6ES7416-2FN05-0AB0	View Siemens 6ES7416-2FN05-0AB0
Siemens 6ES7417-4HT14-0AB0	View Siemens 6ES7417-4HT14-0AB0
Siemens 6ES7421-1BL01-0AA0	View Siemens 6ES7421-1BL01-0AA0
Siemens 6ES7421-7BH01-0AB0	View Siemens 6ES7421-7BH01-0AB0
Siemens 6ES7422-1BL00-0AA0	View Siemens 6ES7422-1BL00-0AA0
Siemens 6ES7431-0HH00-0AB0	View Siemens 6ES7431-0HH00-0AB0
Siemens 6ES7431-7QH00-0AB0	View Siemens 6ES7431-7QH00-0AB0
Siemens 6ES7432-1HF00-0AB0	View Siemens 6ES7432-1HF00-0AB0
Siemens 6ES7450-1AP00-0AE0	View Siemens 6ES7450-1AP00-0AE0

MANUFACTURER SOURCE RECORD

Siemens 6ES7414-1XG02-0AB0 Product Details
 Siemens SiePortal exact product record; SIMATIC S7-400 CPU 414-1

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