

Installation Identity and Scope

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.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	6ES7414-1XG02-0AB0
Manufacturer	Siemens
Hardware type	CPU Module
System family	SIMATIC S7-400 CPU 414-1
Official source	Siemens SiePortal exact product record; SIMATIC S7-400 CPU 414-1

CONTROLLED ENGINEERING COPY

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.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Siemens 15499-146-8	View Siemens 15499-146-8
Siemens 16267-1-2	View Siemens 16267-1-2
Siemens 39ACM24BAN-16139-76-09	View Siemens 39ACM24BAN-16139-76-09
APTER POWER SALES TEAM WHATSAPP / PHONE +86 180 3023 5313 EMAIL sales13@apterpower.com WEBSITE www.apterpower.com  6ES7414-1XG02-0AB0	

Pre-Installation Plan

NO.	REQUIRED ACTION
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 39EAMCBN-16154-93-3	View Siemens 39EAMCBN-16154-93-3
Siemens 39EAMCBN-A5E00282025-05	View Siemens 39EAMCBN-A5E00282025-05
Siemens 39MBXNAN-16180-1-14	View Siemens 39MBXNAN-16180-1-14
Siemens 39MBXNAN-16180-1-17	View Siemens 39MBXNAN-16180-1-17

Matched Hardware

CONTROL ITEM	REQUIRED RECORD
Identity	6ES7414-1XG02-0AB0
Physical interface	S7-400 rack and power supply
Companion check	MMC/project backup as applicable
Configuration	MPI network and I/O
Functional proof	Hardware diagnostics and controlled restart

RELEASE HOLD POINT

Do not disturb the installed device until the exact marking, connections, companion hardware and configured function are documented.

Wiring and Interface Checks

CHECK	MODEL-SPECIFIC REQUIREMENT
Identity	Record Siemens 6ES7414-1XG02-0AB0 exactly.
Installed position	Record rack, slot and mounting orientation.
Connectors	Label every keyed connector and terminal.
Companion hardware	Verify the documented controller, rack or field device.
Power	Confirm supply and isolation requirements.
Configuration	Back up parameters, firmware and network settings where applicable.
Grounding	Restore shielding and protective grounding.
Function	Run diagnostics and the controlled functional test.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Siemens 39RTMCAN-16207-61-10	View Siemens 39RTMCAN-16207-61-10
Siemens 39RTMCAN-16207-61-11	View Siemens 39RTMCAN-16207-61-11
Siemens 39RTMCAN-16207-61-13	View Siemens 39RTMCAN-16207-61-13
Siemens 39SAMCAN-16133-71-04	View Siemens 39SAMCAN-16133-71-04
Siemens	View Siemens 39SAMCAN-16133-71-13

CONFIGURATION 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.

Expected Technical Values

PARAMETER	VALUE
Complete model	6ES7414-1XG02-0AB0
Controller family	SIMATIC S7-400
CPU	CPU 414-1
Working memory	128 KB

Commissioning and Acceptance

TEST	ACCEPTANCE CONDITION
Identity	Siemens 6ES7414-1XG02-0AB0 is recorded without abbreviation.
Interface	Connectors, terminals and companion hardware match the approved record.
Configuration	Electrical, firmware and parameter values are verified.
Operation	Diagnostics and the controlled functional test are acceptable.

Technical Questions to Resolve

QUESTION	ENGINEERING 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.

Related Products on Apter Power

Which key technical value is documented?	Controller family: SIMATIC S7-400.
MODEL	APTER POWER PAGE
Siemens 39SAMCAN-16133-71-9	View Siemens 39SAMCAN-16133-71-9
Siemens 39SDM024DCCBN-16101-174-8	View Siemens 39SDM024DCCBN-16101-174-8
Siemens 39VIMCCN-16171-126-3	View Siemens 39VIMCCN-16171-126-3
Siemens 39VIMCCN-16171-126-6	View Siemens 39VIMCCN-16171-126-6
Siemens 39VIMCCN-A5E00282175-07	View Siemens 39VIMCCN-A5E00282175-07
Siemens 3RN2011-1BA30	View Siemens 3RN2011-1BA30

Source, Related Products and Release

MODEL	APTER POWER PAGE
Siemens 3RT5044-1AN20	View Siemens 3RT5044-1AN20
Siemens 3RT6015-1BB41	View Siemens 3RT6015-1BB41
Siemens 3RT6024-1AN20	View Siemens 3RT6024-1AN20
Siemens 3RT6025-1AN20	View Siemens 3RT6025-1AN20
Siemens 3SK2122-1AA10	View Siemens 3SK2122-1AA10
Siemens 3TF5422-0XM0	View Siemens 3TF5422-0XM0
Siemens 3TY7540-0A	View Siemens 3TY7540-0A
Siemens 3TY7560-0A	View Siemens 3TY7560-0A
Siemens 3VL9300-3HF05	View Siemens 3VL9300-3HF05
Siemens 505-7003	View Siemens 505-7003

MANUFACTURER SOURCE RECORD

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

Controlled Release Summary

RELEASE ITEM	REQUIRED EVIDENCE
Identity	6ES7414-1XG02-0AB0 recorded
Interface	Connections and companion hardware verified
Configuration	Installed values agree with approved record
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