

6ES7417-4XL04-0AB0

CPU Module

Siemens 6ES7417-4XL04-0AB0 is a SIMATIC S7-400 CPU 417-4 with 20 MB working memory and integrated MPI/DP capability. Match firmware, interface modules and the complete STEP 7 project before replacement.

BRAND	Siemens	DOCUMENT	TECHNICAL REFERENCE
MODEL	6ES7417-4XL04-0AB0	PRODUCT	CPU Module
FAMILY	SIMATIC S7-400 CPU 417-4	SOURCE	Siemens Industry Support CPU data for CPU 417-4 and exact 6ES7417-4XL04-0AB0 configuration

MANUFACTURER SOURCE RECORD

S7-400 CPU Specifications
Siemens Industry Support CPU data for CPU 417-4 and exact 6ES7417-4XL04-0AB0 configuration

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 531

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com



6ES7417-4XL04-0AB0

Product Overview

SYSTEM FUNCTION

Siemens 6ES7417-4XL04-0AB0 is a SIMATIC S7-400 CPU 417-4 with 20 MB working memory and integrated MPI/DP capability. Match firmware, interface modules and the complete STEP 7 project before replacement.

FUNCTION 1

High-performance CPU

FUNCTION 2

20 MB working memory

FUNCTION 3

MPI/DP communication

FUNCTION 4

Interface-module expansion

TECHNICAL NOTE

Related Products on Apter Power

Use only the complete Siemens 6ES7417-4XL04-0AB0 identity and the current manufacturer documentation. Confirm installed hardware, wiring, firmware or parameter.

MODEL	APTER POWER PAGE
Siemens 562-001	View Siemens 562-001
Siemens 6AG1195-7HD10-2XA0	View Siemens 6AG1195-7HD10-2XA0
Siemens 6AR1304-0CA00-0AA0	View Siemens 6AR1304-0CA00-0AA0
Siemens 6AR1306-0DC00-0AA0	View Siemens 6AR1306-0DC00-0AA0
Siemens 6AU1435-2AD00-0AA0	View Siemens 6AU1435-2AD00-0AA0

Technical Data and Acceptance

PARAMETER	VERIFIED VALUE
Complete model	6ES7417-4XL04-0AB0
Controller family	SIMATIC S7-400
CPU	CPU 417-4
Working memory	20 MB total: 10 MB code and 10 MB data
Integrated load memory	256 KB RAM
Expandable FEPROM	Memory card up to 64 MB
Expandable RAM	Memory card up to 64 MB
Integrated communications	MPI/DP
Peripheral address area	16 KB inputs / 16 KB outputs
MPI/DP address area	2 KB inputs / 2 KB outputs
DP address area	8 KB inputs / 8 KB outputs
Process image	16 KB inputs / 16 KB outputs; preset 1024 bytes / 1024 bytes
ENGINEERING BOUNDARY Use only the complete Siemens 6ES7417-4XL04-0AB0 identity and the current manufacturer documentation. Confirm installed hardware, wiring, firmware or parameter compatibility and the approved maintenance record before replacement or release.	
S7 timers	2048
Typical bit operation	0.03 microseconds
Typical floating-point operation	0.09 microseconds

Acceptance Path

1 IDENTITY

Siemens 6ES7417-4XL04-0AB0 is recorded without abbreviation.

2 INTERFACE

Connectors, terminals and companion hardware match the approved record.

3 CONFIGURATION

Electrical, firmware and parameter values are verified.

4 OPERATION

Diagnostics and the controlled functional test are acceptable.

Applications and Engineering FAQ

APPLICATION	ENGINEERING CONTEXT
Large process systems	Executes extensive S7-400 control projects.
High-speed machine control	Runs demanding sequence and interlock logic.
PROFIBUS DP integration	Coordinates configured distributed I/O.
Legacy maintenance	Preserves an installed CPU 417-4 project.

Model-Specific FAQ - Part 1

QUESTION	ANSWER
What is Siemens 6ES7417-4XL04-0AB0?	Siemens 6ES7417-4XL04-0AB0 is a SIMATIC S7-400 CPU 417-4 with 20 MB working memory and integrated MPI/DP capability. Match firmware, interface modules and the complete STEP 7 project before replacement.
Which product family includes 6ES7417-4XL04-0AB0?	The official manufacturer record identifies it within the SIMATIC S7-400 CPU 417-4 family.
Which exact identity must be retained?	Record the complete Siemens 6ES7417-4XL04-0AB0 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 6AU1455-2AD00-0AA0	View Siemens 6AU1455-2AD00-0AA0
Siemens 6AV2123-2DB03-0AX0	View Siemens 6AV2123-2DB03-0AX0
Siemens 6AV2124-0GC01-0AX0	View Siemens 6AV2124-0GC01-0AX0
Siemens 6AV2124-0JC01-0AX0	View Siemens 6AV2124-0JC01-0AX0
Siemens 6AV2124-0MC01-0AX0	View Siemens 6AV2124-0MC01-0AX0

FAQ, Related Products and Source

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.

MANUFACTURER SOURCE RECORD

S7-400 CPU Specifications
Siemens Industry Support CPU data for CPU 417-4 and exact 6ES7417-4XL04-0AB0 configuration

Related Products on Apter Power

MODEL	APTER POWER PAGE
Siemens 6AV2124-0QC02-0AX0	View Siemens 6AV2124-0QC02-0AX0
Siemens 6AV2124-0QC02-0AX1	View Siemens 6AV2124-0QC02-0AX1
Siemens 6AV2124-0UC24-1AX0-6AV7424-7GA03-0AS0	View Siemens 6AV2124-0UC24-1AX0-6AV7424-7GA03-0AS0
Siemens 6AV2124-1MC01-0AX0	View Siemens 6AV2124-1MC01-0AX0
Siemens 6AV3503-1DB10	View Siemens 6AV3503-1DB10
Siemens 6AV3617-1JC20-0AX1	View Siemens 6AV3617-1JC20-0AX1
Siemens 6AV3627-1LK00-1AX0	View Siemens 6AV3627-1LK00-1AX0
Siemens 6AV6542-0AG10-0AX0	View Siemens 6AV6542-0AG10-0AX0
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