

APTER POWER PRODUCT MANUAL

6ES7952-1AS00-0AA0

Siemens SIMATIC S7-400 16 MB RAM Memory Card

6ES7952-1AS00-0AA0 is a Siemens SIMATIC S7 RAM memory card for S7-400 CPUs. Its long-design 16 MB RAM provides volatile load-memory capacity for the user program and data in a compatible S7-400 controller.

The card works with supported S7-400 CPU variants and depends on the controller's backup arrangement to retain RAM contents when power is removed; it is used in process, infrastructure, and manufacturing control systems built on S7-400.

Manufacturer	Siemens
Prepared by	Apter Power
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APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

Add 16 MB of Load Memory. Back Up First. Keep S7-400 Programs Ready.

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SCAN FOR PRODUCT & QUOTE
6ES7952-1AS00-0AA0

1. Product Overview and Identity

6ES7952-1AS00-0AA0 is a Siemens SIMATIC S7 RAM memory card for S7-400 CPUs. Its long-design 16 MB RAM provides volatile load-memory capacity for the user program and data in a compatible S7-400 controller.

The card works with supported S7-400 CPU variants and depends on the controller's backup arrangement to retain RAM contents when power is removed; it is used in process, infrastructure, and manufacturing control systems built on S7-400.

Model Configuration

Field	Verified information
Complete model	6ES7952-1AS00-0AA0
Manufacturer	Siemens
Product description	Siemens SIMATIC S7-400 16 MB RAM Memory Card

Key Features

- 16 MB volatile RAM load memory
- Long S7-400 memory-card format
- Active Siemens product status
- Designed for supported S7-400 CPUs

2. Technical Specifications

Only manufacturer-confirmed information is stated. Values absent from the named Siemens source are marked for nameplate or document verification.

Parameter	Verified value
Manufacturer	Siemens
Product family	SIMATIC S7
Memory type	RAM
Memory capacity	16 MB
Design	Long
Controller context	S7-400
Current lifecycle	Active product (PM300) in Siemens Industry Mall
Published net weight	0.043 kg in Industry Mall; current data-sheet values may vary by publication

Verification Note

Use the complete 6ES7952-1AS00-0AA0 identifier. Siemens Industry Mall lists 6ES7952-1AS00-0AA0 as an active product (PM300) at the time of review. Unpublished values are intentionally not inferred.

3. Functions, Applications and Components

Core Functions

- Expands CPU load-memory capacity
- Stores user program and data in RAM
- Supports download and execution workflows for compatible S7-400 CPUs
- Works with the controller backup concept for data retention

Application Areas

Application	System role
Process control	Store larger S7-400 applications
Infrastructure automation	Provide controller load memory
Manufacturing systems	Support program and data capacity
CPU service	Replace an exact verified memory card

Compatible Components

- Only S7-400 CPUs that list 6ES7952-1AS00-0AA0
- The CPU backup battery or retention system required for RAM contents
- STEP 7 project and CPU firmware compatible with the installed controller

Lifecycle Status

Siemens Industry Mall lists 6ES7952-1AS00-0AA0 as an active product (PM300) at the time of review.

4. Installation Precautions

- Back up the complete STEP 7 project before card work
- Remove or insert only as instructed for the CPU
- Protect the card from ESD
- Confirm CPU support and memory capacity
- Maintain the required backup arrangement because RAM is volatile

STOP - Verify before installation

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Use the physical nameplate and current Siemens documents as the controlling records.

5. Official Source and Use Notice

Official source

Siemens technical data sheet for 6ES7952-1AS00-0AA0 and Siemens Industry Mall product data.

Apter Power product page

<https://www.apterpower.com/Siemens/6ES7952-1AS00-0AA0>

Use Notice

This is an original Apter Power product-specific reference prepared from the Siemens source named above. It is not a Siemens publication and does not replace the original data sheet, nameplate, certificate, installation drawing, safety instructions, or machine-builder documentation.

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