Siemens 6ES7952-1KM00-0AA0

Complete Product Information

Siemens 6ES7952-1KM00-0AA0 is a long-design 4 MB, 5 V Flash EPROM memory card for SIMATIC S7-400 load-memory applications.

Operating context

The long-design card contains 4 Mbytes of 5 V Flash EPROM. Its nonvolatile storage role is distinct from RAM and from the CPU work-memory allocation. Match the complete card reference and supported host CPU before transferring the application.

The MC 952 technical table specifies a typical operating current of 40 mA and a maximum of 90 mA at 5 V for this order number. Flash is listed without a backup-current requirement. The card capacity alone does not define the host CPU power or memory limits.

Program-transfer and startup checks must retain the approved application version and the CPU hardware configuration. A replacement card must contain the intended project image before the machine is released. Verify the CPU-specific procedure and compare online diagnostics with the retained project record.

Configuration snapshot

Product type	MC 952 memory card
System	SIMATIC S7-400
Memory technology	5 V Flash EPROM
Capacity	4 Mbytes
Design	Long design
Operating current	40 mA typical; 90 mA maximum at 5 V
Backup current	No backup current specified for Flash

02 Technical configuration and interfaces

Storage behavior	Nonvolatile Flash memory

System and configuration relationships

System relationship

In an S7-400 maintenance workflow, Flash media preserves a loadable application image separately from CPU execution memory.

Configuration boundary

No. Equal capacity does not make RAM and Flash storage behavior identical. Match the storage technology and the host CPU procedure.

Offered reference	6ES7952-1KM00-0AA0
Technical scope	Technical values apply to the complete 6ES7952-1KM00-0AA0 execution. The card current values use the exact MC 952 order-number entry in the S7-400 CPU specifications.

03 Applications and precautions

Application context

Nonvolatile load images

Use Flash load memory for a compatible S7-400 application image. Keep the loadable image distinct from the CPU work-memory allocation.

CPU service preparation

Prepare the correct application image before a planned CPU or card change. Verify that the actual host supports the complete card reference and capacity.

Application image handover

Retain the approved project archive and the programmed card identity together. Nonvolatile media still requires a verified application version and startup check.

Card power assessment

Include the Flash card in the host operating-power review. Assess the CPU backup arrangement separately from the card storage technology.

Commissioning precautions

Match Flash technology

It is a 5 V Flash EPROM MC 952 card. Its storage is nonvolatile and is distinct from a RAM card.

Check card capacity

The card capacity is 4 Mbytes. Confirm that the installed S7-400 CPU supports this card and the intended application image.

Match the card design

The offered order number identifies the long-design S7-400 card. Match the complete marking and host card slot rather than selecting by capacity alone.

Budget operating current

The MC 952 specification gives 40 mA typical and 90 mA maximum operating current at 5 V.

Separate host backup needs

The manufacturer technical table lists no backup current for this Flash card. Host CPU and application backup requirements still need separate consideration.

Keep work memory distinct

A load-memory card and CPU work memory perform different roles. The 4 Mbyte card capacity does not increase the integrated execution-memory partitions.

04 Engineering questions

Which memory technology is used in 6ES7952-1KM00-0AA0?

It is a 5 V Flash EPROM MC 952 card. Its storage is nonvolatile and is distinct from a RAM card.

How much application storage does 6ES7952-1KM00-0AA0 provide?

The card capacity is 4 Mbytes. Confirm that the installed S7-400 CPU supports this card and the intended application image.

What does long design mean for 6ES7952-1KM00-0AA0 selection?

The offered order number identifies the long-design S7-400 card. Match the complete marking and host card slot rather than selecting by capacity alone.

What current must be allowed for 6ES7952-1KM00-0AA0?

The MC 952 specification gives 40 mA typical and 90 mA maximum operating current at 5 V.

Does 6ES7952-1KM00-0AA0 have a RAM backup-current requirement?

The manufacturer technical table lists no backup current for this Flash card. Host CPU and application backup requirements still need separate consideration.

Will 6ES7952-1KM00-0AA0 increase the CPU work memory?

A load-memory card and CPU work memory perform different roles. The 4 Mbyte card capacity does not increase the integrated execution-memory partitions.

What should be preserved before replacing 6ES7952-1KM00-0AA0?

Keep the approved application archive, CPU configuration and intended startup image. Replacement hardware alone does not establish that the correct application is loaded.

Can a 4 MB RAM card be treated as identical to 6ES7952-1KM00-0AA0?

No. Equal capacity does not make RAM and Flash storage behavior identical. Match the storage technology and the host CPU procedure.

05 Lifecycle and offered-unit information

Lifecycle status

6ES7952-1KM00-0AA0: The product is in the manufacturer phase-out announcement stage.

Support and replacement: Confirm current service and replacement guidance with Siemens using the complete marking, hardware revision and installed configuration.

Availability: Apter Power supply availability is confirmed separately from manufacturer lifecycle and support status.

Explore other Siemens references

Portfolio navigation only; no compatibility or substitution is implied.

Siemens 6ES7412-2XG00-0AB0	View product
Siemens 6ES7412-2XJ05-0AB0	View product
Siemens 6ES7318-3EL01-0AB0	View product

Available unit details

Offered reference: Siemens 6ES7952-1KM00-0AA0. Condition: New, original product.

Identity check: Technical values apply to the complete 6ES7952-1KM00-0AA0 execution. The card current values use the exact MC 952 order-number entry in the S7-400 CPU specifications.

Included items: Confirm the card only and the required application image; CPU and programming equipment are separate.

Technical reference

Siemens 6ES7952-1KM00-0AA0 Data Sheet; S7-400 Automation System CPU Specifications, A5E00267840-03

Discuss your complete reference

Siemens 6ES7952-1KM00-0AA0

New, original product

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