# Siemens 6ES7952-1KM00-0AA0

**Installation & Commissioning Guide**

## 01 Define the installed-system task

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

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.

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|---|---|
| Product type | MC 952 memory card |
| System | SIMATIC S7-400 |
| Memory technology | 5 V Flash EPROM |
| Capacity | 4 Mbytes |
| Design | Long design |

**Retain the project and identification record**

Keep the complete 6ES7952-1KM00-0AA0 marking, installed configuration and approved application records together. Use the applicable Siemens and machine procedures to plan isolation, replacement and release.

## 02 Review the signal, power or memory path

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.

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|---|---|
| Operating current | 40 mA typical; 90 mA maximum at 5 V |
| Backup current | No backup current specified for Flash |
| Storage behavior | Nonvolatile Flash memory |

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|---|---|
| Check | Compare the installed configuration with the complete offered reference |
| Record | Retain the supply, interface or memory settings applicable to this item |
| Accept | Proceed only when the system record and actual hardware agree |

## 03 Preserve configuration during replacement

### 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.

### Configuration acceptance

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.

## 04 Commission and resolve diagnostic differences

### 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.

### Release check

Use the approved machine test to verify the intended function, receiving-system response and diagnostic state. Record the final settings and restore the planned operating configuration before service.

## 05 Handover and lifecycle planning

**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.

### Installed-system handover

Retain the full 6ES7952-1KM00-0AA0 identity, hardware and configuration record, application archive and commissioning results. Confirm the card only and the required application image; CPU and programming equipment are separate.

### Explore other Siemens references

Portfolio navigation only; no compatibility or substitution is implied.

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

### Discuss your complete reference

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### Technical reference

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