

SIEMENS TECHNICAL DOCUMENT

Product Data Sheet

6ES7954-8LC04-0AA0

01

PRODUCT IDENTIFICATION

Manufacturer	Siemens
Model	6ES7954-8LC04-0AA0
Family	SIMATIC S7 Memory Card
Product type	SIMATIC 4 MB Memory Card

02

VERIFIED TECHNICAL DATA

Memory technology	Flash-EPROM
Card form factor	SD memory card
Storage capacity	4 Mbyte
Operating voltage	3.3 V
Write/delete endurance	500,000 operations minimum
Data retention	10 years below 50,000 write/delete operations
High-cycle retention	1 year above 450,000 write/delete operations
CPU scope	Supported SIMATIC S7-1x00 CPUs

03 REMAINING TECHNICAL DATA

Drive scope	Supported SINAMICS applications
Lifecycle	Active product

04 TECHNICAL AND APPLICATION NOTES

6ES7954-8LC04-0AA0 is a 4 MB, 3.3 V Flash-EPROM SIMATIC memory card for documented S7-1x00 CPU and SINAMICS applications. The card provides removable nonvolatile storage for supported automation projects and maintenance operations. Confirm the exact article number, target hardware, engineering environment and controlled backup before insertion or replacement.

05 APPLICATIONS

- Provide load memory for supported SIMATIC S7-1200 CPUs
- Store project and configuration data for supported S7-1500 CPUs
- Transfer controlled projects between compatible CPU installations
- Verify capacity before any firmware-update procedure
- Provide supported removable Flash storage for SINAMICS applications

06 INSTALLATION CONTROL

Confirm the exact 6ES7954-8LC04-0AA0 article number and 4 MB capacity. Re-evaluate the stored project and verify startup behavior after insertion.