SIMATIC S7-1X00

Product Data Sheet

6ES7954-8LL03-0AA0

256 MB SIMATIC Memory Card

MEMORY TECHNOLOGY	CAPACITY	OPERATING VOLTAGE	MINIMUM WRITE/DELETE ENDURANCE
Flash EPROM	**256 MB**	**3.3 V**	**200000 cycles**

Siemens 6ES7954-8LL03-0AA0 is a 256 MB SIMATIC Memory Card for the S7-1X00 controller platform. It uses Flash EPROM technology with a 3.3 V operating rating and provides nonvolatile storage in the controller-compatible card format.

01 TECHNICAL DATA

Memory technology	Flash EPROM
Capacity	256 MB
Operating voltage	3.3 V
Minimum write/delete endurance	200000 cycles
Retention below 20000 cycles	10 years
Retention above 180000 cycles	1 year

Siemens 6ES7954-8LL03-0AA0 official product data; applicable specification pages.

02 ADDITIONAL PRODUCT DATA

The specified minimum write/delete endurance is 200000 cycles. Data retention depends on prior use: the data sheet states 10 years below 20000 write/delete cycles and one year above 180000 cycles. These separate limits describe endurance and retention, rather than an unlimited service life or a fixed replacement interval.

03 PRODUCT FUNCTION

Use the SIMATIC Memory Card in a supported S7-1X00 controller and prepare it through the appropriate Siemens engineering workflow. The 256 MB capacity and complete order code distinguish this card from other capacities and general-purpose removable flash media.

04 SYSTEM COMPATIBILITY

Plan write-intensive functions around the specified minimum 200000 write/delete cycles. Data-retention periods depend on the accumulated cycle count, so an archive written to a heavily used card does not have the same stated retention period as one written below 20000 cycles.

05 REFERENCE

Siemens 6ES7954-8LL03-0AA0 official product data; applicable specification pages.

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