

INDUSTRIAL AUTOMATION PRODUCT

6ES7954-8LC04-0AA0

SIMATIC 4 MB Memory Card

Siemens 6ES7954-8LC04-0AA0 is a 4 MB SIMATIC flash memory card. It stores user programs, configuration, and device data for compatible SIMATIC and SINAMICS hardware.

IDENTITY	VERIFIED VALUE
Manufacturer	Siemens
System family	SIMATIC S7-1200 / S7-1500 and SINAMICS storage
Part number	6ES7954-8LC04-0AA0
Country	Germany
HS code	8537101190

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



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Technical Specifications

Technical values below are limited to the named Siemens product record.

PARAMETER	TECHNICAL VALUE
Memory type	Flash
Memory capacity	4 MB
Operating voltage	3.3 V
Card format	SIMATIC memory card

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	compatible S7-1200 or S7-1500 CPU
Companion hardware	SINAMICS device supporting the card
Field connection	TIA Portal project
Primary system function	Provides nonvolatile storage for a compatible SIMATIC CPU or SINAMICS device
Controlled acceptance duty	Controller program storage

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System Role and Architecture

Siemens 6ES7954-8LC04-0AA0 is a 4 MB SIMATIC flash memory card. It stores user programs, configuration, and device data for compatible SIMATIC and SINAMICS hardware.

FUNCTION 1

Provides nonvolatile storage for a compatible SIMATIC CPU or SINAMICS device

FUNCTION 2

Retains user program, configuration, and device data across power cycles

FUNCTION 3

Supports project transfer using a programming device or approved card reader

FUNCTION 4

Provides the removable storage medium required by selected controller workflows

Matched system components

- compatible S7-1200 or S7-1500 CPU
- SINAMICS device supporting the card
- TIA Portal project
- approved SD card reader

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	compatible S7-1200 or S7-1500 CPU
Companion hardware	SINAMICS device supporting the card
Field connection	TIA Portal project
Primary system function	Provides nonvolatile storage for a compatible SIMATIC CPU or SINAMICS device
Controlled acceptance duty	Controller program storage

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Applications and Engineering Context

Controller program storage

Provides nonvolatile storage for a compatible SIMATIC CPU or SINAMICS device

CPU commissioning and project transfer

Retains user program, configuration, and device data across power cycles

Automation-system backup media

Supports project transfer using a programming device or approved card reader

SINAMICS parameter and firmware workflows

Provides the removable storage medium required by selected controller workflows

TECHNICAL NOTE

Power down the host when required, protect the contacts from ESD and contamination, and verify the complete project, firmware compatibility, and CPU operating state after inserting 6ES7954-8LC04-0AA0.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	6ES7954-8LC04-0AA0 / 6ES7954-8LC04-0AA0 recorded
Physical interface	compatible S7-1200 or S7-1500 CPU
Companion check	SINAMICS device supporting the card
Functional proof	Provides nonvolatile storage for a compatible SIMATIC CPU or SINAMICS device
Application test	Controller program storage

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Engineering Precautions

1

Verify 6ES7954-8LC04-0AA0 and the 4 MB capacity before use.

2

Back up the existing project and identify the destination CPU or drive.

3

Use ESD controls and handle the card only by its edges.

4

Do not format the card with an unsupported operating-system utility.

5

Confirm the project and firmware are approved for the target hardware.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
6EP1434-2BA20	SITOP industrial power supply	Open product page
6ES7432-1HF00-0AB0	SIMATIC S7-400 analog output module	Open product page

MANUFACTURER SOURCE RECORD

SIMATIC Memory Card Product Data

6ES7954-8LC04-0AA0

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