

INDUSTRIAL AUTOMATION PRODUCT

1747-L511

SLC 5/01 controller with 1 KB memory

SLC program execution, backplane I/O and DH-485 communications

IDENTITY	VERIFIED VALUE
Manufacturer	Allen-Bradley
System family	Allen-Bradley SLC 500 control system
Part number	1747-L511

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Technical Specifications

Technical values below are limited to the named Allen-Bradley product record.

PARAMETER	TECHNICAL VALUE
Complete catalog number	1747-L511
Processor	SLC 5/01 controller
User memory	1 KB
Communication	DH-485
Communication port	DH-485 port
Compatible power supplies	1746-P1 through 1746-P7
Equipment class	Central processing unit
Lifecycle status	Discontinued January 31, 2017
Installation publication	1747-IN011
System platform	1746 SLC system

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	1746 SLC chassis and backplane
Companion hardware	1746-P1 through 1746-P7 power supply
Field connection	DH-485 network hardware
Primary system function	Executes the SLC 5/01 control program
Controlled acceptance duty	Legacy machine sequence control

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System Role and Architecture

SLC program execution, backplane I/O and DH-485 communications

FUNCTION 1

Executes the SLC 5/01 control program

FUNCTION 2

Provides one kilobyte of user memory

FUNCTION 3

Communicates through DH-485

FUNCTION 4

Uses the 1746 SLC chassis and power-supply family

Matched system components

- 1746 SLC chassis and backplane
- 1746-P1 through 1746-P7 power supply
- DH-485 network hardware
- approved SLC 500 I/O configuration

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	1746 SLC chassis and backplane
Companion hardware	1746-P1 through 1746-P7 power supply
Field connection	DH-485 network hardware
Primary system function	Executes the SLC 5/01 control program
Controlled acceptance duty	Legacy machine sequence control

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Applications and Engineering Context

Legacy machine sequence control

Executes the SLC 5/01 control program

Small SLC 500 automation cell

Provides one kilobyte of user memory

DH-485 controller network

Communicates through DH-485

SLC 5/01 processor replacement

Uses the 1746 SLC chassis and power-supply family

TECHNICAL NOTE

Back up the program, record the chassis slot, power supply, DH-485 node settings and I/O configuration, and prove the complete machine sequence after controlled restart.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	1747-L511 / 1747-L511 recorded
Physical interface	1746 SLC chassis and backplane
Companion check	1746-P1 through 1746-P7 power supply
Functional proof	Executes the SLC 5/01 control program
Application test	Legacy machine sequence control

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Engineering Precautions

- 1 Verify the complete 1747-L511 marking and its assigned Allen-Bradley SLC 500 control system position before work.
- 2 Place the connected legacy machine sequence control process in the approved maintenance state.
- 3 Isolate applicable power and slc program execution, backplane i/o and dh-485 communications field energy before disconnection.
- 4 Record every connector, conductor, address, firmware and software identity before removal.
- 5 Use ESD controls and protect keyed interfaces, exposed contacts and electronic assemblies.

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Siemens 6RY1243 0EA00	Related industrial automation product	View Siemens 6RY1243 0EA00 page
Honeywell 10024 H I	Related industrial automation product	View Honeywell 10024 H I page

MANUFACTURER SOURCE RECORD

Rockwell Automation 1747-L511 product record and installation instructions

1747-L511; 1747-IN011

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