

1747-L511

SLC 5/01 controller with 1 KB memory

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

PRODUCT SNAPSHOT

BRAND

Allen-Bradley

FAMILY

Allen-Bradley SLC 500 control system

PART

1747-L511

PRODUCT TYPE

SLC 5/01 controller with 1 KB memory

APTER POWER SALES TEAM

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PRODUCT OVERVIEW

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

1

Executes the SLC 5/01 control program

2

Provides one kilobyte of user memory

3

Communicates through DH-485

4

Uses the 1746 SLC chassis and power-supply family

SYSTEM COMPONENTS

1746 SLC chassis and backplane

1746-P1 through 1746-P7 power supply

DH-485 network hardware

approved SLC 500 I/O configuration

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.

TECHNICAL DATA

PARAMETER	VALUE
Complete catalog number	1747-L511
Processor	SLC 5/01 controller
User memory	1 KB
Communication	DH-485
Communication port	DH-485 port

PARAMETER	VALUE
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 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.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
Siemens 6SL3352 6TE33 8AA3	Related industrial automation product	View Siemens 6SL3352 6TE33 8AA3 page
Siemens 6RY1803 0DA04	Related industrial automation product	View Siemens 6RY1803 0DA04 page
Siemens C98043 A7106 L4	Related industrial automation product	View Siemens C98043 A7106 L4 page
Bently Nevada 330180 90 CN	Related industrial automation product	View Bently Nevada 330180 90 CN page
Bently Nevada 330106 05 30 10 02 00	Related industrial automation product	View Bently Nevada 330106 05 30 10 02 00 page
Siemens 6RY1803 0DA03	Related industrial automation product	View Siemens 6RY1803 0DA03 page
Bently Nevada 330104 01 05 50 02 00	Related industrial automation product	View Bently Nevada 330104 01 05 50 02 00 page
Bently Nevada 330910 00 24 10 01 CN	Related industrial automation product	View Bently Nevada 330910 00 24 10 01 CN page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

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

PRODUCT 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.
- 6 Confirm the installed 1746 SLC chassis and backplane and 1746-P1 through 1746-P7 power supply against the approved project.
- 7 Restore power in a controlled sequence and review device, network and host diagnostics.
- 8 Prove the intended small slc 500 automation cell function and retain the final test result.

ENGINEER FAQ

Q1 What distinguishes the 1747-L511 processor in an SLC 500 chassis?

It is the SLC 5/01 CPU with 1 KB of user memory; retain the complete 1747-L511 catalog identity and the existing chassis slot.

Q2 For 1747-L511, which communications interface is available on this SLC 5/01 controller?

The documented processor communication is DH-485 through its DH-485 port, so the node arrangement and programming connection must be preserved.

Q3 For 1747-L511, which power-supply family is documented for the installed 1746 chassis?

The official record identifies 1746-P1 through 1746-P7 supplies for the SLC system; verify the exact installed supply before transferring the processor.

Q4 For 1747-L511, what program information must be secured before removing the CPU?

Back up the SLC 5/01 application and record the data-table state, processor mode, slot assignment and DH-485 node settings required by the installed machine.

Q5 For 1747-L511, why must the replacement stay within the 1 KB processor configuration?

The controller's documented user-memory capacity is 1 KB. Confirm that the approved project fits and do not treat a different SLC processor catalog as an automatic substitute.

Q6 For 1747-L511, how should the chassis and backplane be handled during processor replacement?

De-energize the 1746 chassis, confirm the power supply is off, protect the backplane connector and reinstall the CPU in the recorded processor position.

Q7 For 1747-L511, what does the discontinued lifecycle status change for maintenance planning?

The product record lists discontinuation on January 31, 2017, so replacement work must preserve the exact catalog, approved project and compatible SLC 500 hardware.

Q8 What acceptance test is appropriate after restoring 1747-L511?

Return power under control, confirm the processor and DH-485 communication state, then run the complete machine sequence and verify every configured input, output and interlock.

SOURCE Rockwell Automation 1747-L511 product record and installation instructions | 1747-L511; 1747-IN011

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