

Installation Identity and Scope

Allen-Bradley 1764-LSP is the standard MicroLogix 1500 processor with 7.65K words of configurable program and data memory. It supports DF1, DH-485, Modbus RTU and ASCII communications through the documented controller arrangement.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	1764-LSP
Manufacturer	Allen-Bradley
Hardware type	MicroLogix 1500 Processor
System family	MicroLogix 1500
Official source	1764-LSP official catalog record and 1764-UM001

CONTROLLED ENGINEERING COPY

Use only the complete Allen-Bradley 1764-LSP identity and the current manufacturer documentation. Verify the installed revision, companion hardware, wiring and saved configuration before replacement or release.

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com



1764-LSP

Pre-Installation Plan

NO.	REQUIRED ACTION
1	Verify the complete 1764-LSP catalog number and series.
2	Upload and save the controller program, data and communication settings before removal.
3	Confirm the MicroLogix 1500 base unit and Bulletin 1769 I/O arrangement.
4	Match the installed firmware and programming-software compatibility.
5	Power down the controller and observe ESD controls before handling the processor.

Matched Hardware

CONTROL ITEM	REQUIRED RECORD
Identity	1764-LSP
Physical interface	Exact Allen-Bradley 1764-LSP nameplate and installed revision
Companion check	Documented MicroLogix 1500 Processor system position and companion hardware
Configuration	Labeled field, power, communication and grounding connections
Functional proof	Saved configuration plus a controlled functional-test record

Related Products on Apter Power

MODEL	APTER POWER PAGE
Allen Bradley 1336-QOUT-SP19A	View Allen Bradley 1336-QOUT-SP19A
Allen Bradley 1336T-LM1EN	View Allen Bradley 1336T-LM1EN
Allen Bradley 1336T-LM1EN-74103-015-52A-297346	View Allen Bradley 1336T-LM1EN-74103-015-52A-297346
Allen Bradley 1361-NO61-2-5	View Allen Bradley 1361-NO61-2-5
Allen Bradley 1426-M5E-DNT	View Allen Bradley 1426-M5E-DNT

Wiring and Interface Checks

CHECK	MODEL-SPECIFIC REQUIREMENT
Identity	Record Allen-Bradley 1764-LSP and the installed revision exactly.
Controller family	Verify the documented value: MicroLogix 1500.
Processor type	Verify the documented value: Standard processor.
Connections	Label every installed interface, common, shield and protective-ground connection.
Configuration	Back up and restore the model-specific settings, mappings and approved limits.
Functional proof	Test the complete MicroLogix 1500 Processor function under a controlled maintenance state.

CONFIGURATION BOUNDARY

Use only the complete Allen-Bradley 1764-LSP identity and the current manufacturer documentation. Verify the installed revision, companion hardware, wiring and saved configuration before replacement or release.

Expected Technical Values

PARAMETER	VALUE
Controller family	MicroLogix 1500
Processor type	Standard processor
Configurable memory	7.65K words for program and data
Communications	DF1, DH-485, Modbus RTU and ASCII

Related Products on Apter Power

MODEL	APTER POWER PAGE
Allen Bradley 1492-ACABLE010TB	View Allen Bradley 1492-ACABLE010TB
Allen Bradley 150-C30NBR	View Allen Bradley 150-C30NBR

Commissioning and Acceptance

TEST	ACCEPTANCE CONDITION
Identity	The complete 1764-LSP marking and revision agree with the engineering record.
Compatibility	System position, companion hardware and interfaces match the manufacturer documentation.
Configuration	Saved values, channel mappings and protection limits are restored without unexplained change.
Functional proof	Diagnostics and the model-specific controlled test pass without unexplained fault.

Model-Specific Questions

QUESTION	ENGINEERING ANSWER
What is Allen-Bradley 1764-LSP?	It is the standard processor for the MicroLogix 1500 controller family.
How much configurable memory does Allen-Bradley 1764-LSP provide?	Rockwell Automation lists 7.65K words shared between program and data.
Which protocols are supported by Allen-Bradley 1764-LSP?	The official product record lists DF1, DH-485, Modbus RTU and ASCII communications.
Which expansion I/O is used with Allen-Bradley 1764-LSP?	The MicroLogix 1500 system uses documented Bulletin 1769 Compact I/O modules.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Allen Bradley 150-F135NBDB	View Allen Bradley 150-F135NBDB
Allen Bradley 1503VC-BMC4	View Allen Bradley 1503VC-BMC4
Allen Bradley 1503VC-BMC5	View Allen Bradley 1503VC-BMC5
Allen Bradley 1503VC-BMC5-MC1	View Allen Bradley 1503VC-BMC5-MC1
Allen Bradley 1715-TASOF8	View Allen Bradley 1715-TASOF8

FAQ, Source and Controlled Release

QUESTION	ENGINEERING ANSWER
Which backup options are available for Allen-Bradley 1764-LSP?	The controller accepts the 1764-MM1 memory module and 1764-MM1RTC memory/clock module.
What must be saved before replacing Allen-Bradley 1764-LSP?	Save logic, data, communication settings, I/O configuration, firmware and any memory-module record.
What confirms successful commissioning of Allen-Bradley 1764-LSP?	Correct RUN status, cleared fault tables, verified I/O and communications, and a controlled machine test confirm release.

MANUFACTURER SOURCE RECORDS

Rockwell Automation 1764-LSP Product Details - 1764-LSP official catalog record and 1764-UM001 MicroLogix 1500 Programmable Controllers User Manual - 1764-UM001D-EN-P

Controlled Release Summary

RELEASE ITEM	REQUIRED EVIDENCE
Identity	1764-LSP recorded
Interface	Connections and companion hardware verified
Configuration	Installed values agree with approved record
Functional proof	Controlled test completed without unexplained fault

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WHATSAPP / PHONE +86 180 3023 5313
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