

Allen-Bradley — SLC 500

1747-L553

SLC 5/05 64K Controller

Verified product identity

Allen-Bradley 1747-L553 is a 64K SLC 5/05 controller that executes SLC 500 control programs and communicates through Ethernet and RS-232.

Verified specifications

Manufacturer	Allen-Bradley
Catalog number	1747-L553
Product family	SLC 500
Controller type	SLC 5/05
Memory	64K words
Communications	Ethernet and RS-232
Maximum chassis	3
Maximum slots	30
Maximum I/O	4096
Backplane current at 5 V	1.0 A
Backplane current at 24 V	0 A

APTER POWER

1747-L553

Additional verified specifications

Bit execution time	0.37 μ s
Optional nonvolatile memory	Flash EEPROM
Programming software	RSLogix 500
Compatible power supplies	1746-P1 through 1746-P7

Selection and installation guidance

- Executes SLC 500 control with 64K words of memory
- Provides Ethernet and RS-232 communications
- Supports modular SLC 500 stations with verified power and slot capacity

Buyer questions

Q1. Can Allen-Bradley 1747-L553 replace another SLC 5/05 processor without project changes?

Not automatically. Compare processor Series, firmware, memory use, Ethernet behavior, serial settings and every configured I/O and message path.

Q2. What must be backed up before replacing Allen-Bradley 1747-L553?

Save the complete RSLogix 500 project, data-table values, IP and channel settings, message configuration, firmware information and active diagnostics.

Q3. Why can Allen-Bradley 1747-L553 be reachable by Ethernet while machine I/O remains faulted?

Check the project hardware tree, chassis and slot order, expansion links, I/O power, keying and whether the downloaded project matches the physical station.

Q4. Can Allen-Bradley 1747-L553 be moved to a different SLC chassis slot?

Only after reviewing SLC processor placement rules and every path or address that depends on the existing chassis configuration.

Q5. How should Ethernet settings be restored on Allen-Bradley 1747-L553?

Use the approved machine network record, confirm IP uniqueness and subnet, restore channel configuration, then verify messages and HMI or supervisory connections.

Q6. Why can Allen-Bradley 1747-L553 lose retained values after replacement?

Confirm the correct project and data image were restored, then check memory handling, battery or retention condition where applicable and the shutdown procedure used on the original processor.

Q7. How should Allen-Bradley 1747-L553 be accepted after installation?

Verify project identity, all chassis and I/O, Ethernet and RS-232 communication, messages, retained data, diagnostics and a controlled machine cycle.

Evidence boundary

No official full-model body dimensions or net/product weight were found for Allen-Bradley 1747-L553; both fields remain blank instead of using neighboring SLC processors.