

Allen-Bradley — SLC 500

1747-SN

SLC Remote I/O Scanner Module

Verified product identity

Allen-Bradley 1747-SN is an SLC 500 remote I/O scanner that links a supported SLC processor to Allen-Bradley remote I/O devices.

Verified specifications

Manufacturer	Allen-Bradley
Catalog number	1747-SN
Product family	SLC 500
Product type	Remote I/O scanner module
Logical rack capacity	4 logical racks
Communication isolation	500 VDC
Supported baud rates	57.6, 115.2 and 230.4 kbit/s
Maximum distance at 57.6 kbit/s	3048 m
Maximum distance at 115.2 kbit/s	1524 m
Maximum distance at 230.4 kbit/s	762 m
Device capacity	16 devices normal; 32 complementary

APTER POWER

1747-SN

Additional verified specifications

Backplane current at 5 V	600 mA
Power and heat dissipation	4.5 W
Installation instructions	1747-IN060

Selection and installation guidance

- Connects supported SLC processors to Remote I/O devices
- Supports three documented network baud rates
- Series B supports block transfers up to 64 words

Buyer questions

Q1. Can Allen-Bradley 1747-SN replace another remote I/O scanner without rebuilding the configuration?

Only when the scanner Series, rack addressing, baud rate, device list, block-transfer requirements and processor project are verified and restored.

Q2. Which SLC processors can operate with Allen-Bradley 1747-SN?

Rockwell documentation identifies supported SLC 5/02 and later processors; verify the exact processor, firmware and project requirements.

Q3. Why can Allen-Bradley 1747-SN show a scanner fault after wiring is transferred?

Check baud-rate switches, rack addresses, duplicate assignments, blue-hose polarity, shield practice and the required end termination.

Q4. How should cable length be checked for Allen-Bradley 1747-SN?

Calculate the full Remote I/O trunk and drop length, then keep it within the published limit for the selected baud rate.

Q5. Can Allen-Bradley 1747-SN use block transfers with every hardware Series?

No. The documented Series B scanner supports block transfers up to 64 words; confirm the installed scanner Series and application design.

Q6. What should be recorded before replacing Allen-Bradley 1747-SN?

Record the scanner Series, scanner slot, baud rate, logical-rack assignments and sizes, cable topology, terminating resistors, connected-device revisions and active fault codes.

Q7. How should Allen-Bradley 1747-SN be tested after installation?

Verify every configured rack, compare I/O and block-transfer data, review error counters and test network recovery during a controlled machine sequence.

Evidence boundary

No official full-model body dimensions or net/product weight were found for Allen-Bradley 1747-SN; both fields remain blank rather than using data from a different SLC module.