1756-L62

01 / Product identity and control context

ControlLogix Processor

Allen-Bradley 1756-L62 is a ControlLogix 5560 controller with 4 MB of data and logic memory, chassis-based I/O coordination and an integrated RS-232 port.

Key characteristics

Controller family	ControlLogix 5560
Program capacity	4 MB data and logic memory
Communication interface	Integrated RS-232
Installation	1756 chassis-based controller

Installed-system relationship

Allen-Bradley 1756-L62 executes the application program within a ControlLogix chassis. The controller coordinates configured I/O and communication modules through the chassis backplane.

Application retention

Verify the project backup, firmware and operating mode before disturbing hardware.

Configuration boundary

Electrical and environmental values apply to 1756-L62; battery selection depends on the controller series.

Product and installation enquiries

sales13@apterpower.com | +86 18030235313

Apply manufacturer instructions and approved site procedures.

02 / Technical characteristics

Hardware and functional data

Manufacturer	Allen-Bradley
Product series	ControlLogix 5560
Data and logic memory	4 MB
I/O memory	478 KB
Integrated communication	RS-232
Backplane current at 5.1 V DC	1.20 A
Backplane current at 24 V DC	14 mA
Power dissipation	3.5 W

Interfaces and operating conditions

Thermal dissipation	11.9 BTU/hr
Operating temperature	0 to 60 °C
Storage temperature	-40 to 85 °C
Relative humidity	5 to 95%, noncondensing
Enclosure type	Open style
Series A replacement battery	1756-BA1
Series B replacement battery	1756-BA2

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03 / Application and integration contexts

Machine sequence control

Execute programmed machine sequences and interlocks using configured ControlLogix I/O. Review task timing, I/O update behavior and the intended fault response.

Process coordination

Coordinate process signals and control routines within the available memory and configured tasks. Match I/O types and communication paths to the process design.

Chassis integration

Check slot assignment, backplane power budget and configured I/O/communication modules.

Distributed I/O integration

Exchange application data through the installed communication modules. Confirm network configuration and connection requirements rather than assuming an Ethernet port is built into the controller.

Installed-system maintenance

Preserve the application backup, controller series and firmware when replacing existing hardware. Validate the restored program and field I/O before returning the system to operation.

Series and battery

Identify Series A or B and retain the appropriate battery reference.

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04 / Installation and release decisions

Verify the controller series

Read 1756-L62 and the series designation from the label. Keep Series A and Series B battery requirements separate.

Back up the application

Retain a verified project backup, firmware revision and communication configuration before removal. Do not rely on a removable memory card as the only record.

Establish safe machine conditions

Follow the approved isolation and process shutdown procedure. Prevent an unintended output transition while the controller is removed or the program is restored.

Check chassis power capacity

Include 1.20 A at 5.1 V DC and 14 mA at 24 V DC in the applicable backplane budget, together with all other installed modules.

Protect battery-backed memory

Use the correct series-specific battery and manufacturer replacement procedure. Verify program retention and battery status after service.

Validate the restored system

Check controller mode, faults, I/O configuration and communication paths. Perform the approved functional test before enabling normal operation.

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05 / Lifecycle, evidence and related portfolio

Lifecycle status

Rockwell Automation identifies this catalog number as discontinued from 1 June 2017. The discontinued state does not establish the condition or availability of an individual unit.

Supply boundary

Apter Power availability and dispatch are confirmed separately from the manufacturer lifecycle phase.

Technical basis

Rockwell Automation ControlLogix Controller and Memory Board Installation Instructions, 1756-IN101L-EN-P (June 2008); ControlLogix 5570 and 5560 Controllers User Manual, 1756-UM001.

Related product references

Allen-Bradley 1756-OB16D

Allen-Bradley 1756-IRT8I

Allen-Bradley 1756-A17

Navigation only; no substitute or accessory compatibility is implied.

Offered-unit verification

Compare the complete label, connectors, mounting arrangement and applicable hardware/software revision. Confirm included components and accompanying documents in the quotation.

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