

APTER POWER PRODUCT GUIDE

1756-L61S

GuardLogix Primary Controller

Allen-Bradley 1756-L61S is a GuardLogix 5560 primary controller with separate standard and safety memory. Together with the adjacent 1756-LSP safety partner, it executes integrated standard and SIL 3/PLe safety control.

Manufacturer	Allen-Bradley
Model	1756-L61S
Product type	GuardLogix Primary Controller
Product family	GuardLogix 5560
Country	Sweden
HS code	8537101190
Shipping origin	Xiamen, Fujian, China

APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

Three interface paths, one controlled configuration.

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SCAN FOR PRODUCT & QUOTE

1. Product overview and identity

- Maintains the coordinated standard and safety task architecture
- Creates the safety partnership across adjacent chassis slots
- Controls safety I/O through the validated GuardLogix project
- Provides controller and safety-partner status for commissioning

Model configuration

Complete model	1756-L61S
Product type	GuardLogix Primary Controller
System family	GuardLogix 5560

2. Technical specifications

Standard memory	2 MB
Safety memory	1 MB
Required safety partner	1756-LSP
Maximum controller connections	250
Built-in communication port	RS-232 serial
Backplane current at 5.1 V DC	1.2 A
Backplane current at 24 V DC	14 mA
Power dissipation	3.5 W
Thermal dissipation	11.9 BTU/h
Battery	1756-BA2
Operating temperature	0-60 C
Storage temperature	-40-85 C
Relative humidity	5-95%, noncondensing

3. Functions, applications and components

1756-L61S safety-controller replacement

Maintains the coordinated standard and safety task architecture

Machine emergency-stop logic

Creates the safety partnership across adjacent chassis slots

Guarding and access-control functions

Controls safety I/O through the validated GuardLogix project

Safety I/O validation and proof testing

Provides controller and safety-partner status for commissioning

Associated system components

- 1756-LSP safety partner
- 1756 ControlLogix chassis
- Guard I/O or safety I/O network
- validated GuardLogix application

4. Engineering FAQ and source record

Where must the 1756-LSP be installed for 1756-L61S?

Place the safety partner in the slot immediately to the right of the primary controller in the same 1756 chassis.

Which firmware check is mandatory for 1756-L61S?

The primary controller and 1756-LSP must use matching major and minor firmware revisions supported by the validated project.

How is the safety project protected on 1756-L61S?

Use the approved safety locking and signature process, then record the signature with the validated application.

What must be backed up before replacing 1756-L61S?

Archive the complete GuardLogix project, firmware, safety signature, controller properties, I/O tree and validation record.

Source record

Rockwell Automation GuardLogix 5560 Controllers User Manual 1756-UM020
https://literature.rockwellautomation.com/idc/groups/literature/documents/um/1756-um020_-en-p.pdf

ASK FOR QUOTE

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