

APTER POWER PRODUCT GUIDE

# 1756-L55M12

## ControlLogix5555 Controller

Allen-Bradley 1756-L55M12 is a ControlLogix5555 Controller for the ControlLogix5555 platform. It executes user logic, exchanges chassis I/O data and coordinates communications through installed ControlLogix modules.

|                 |                             |
|-----------------|-----------------------------|
| Manufacturer    | Allen-Bradley               |
| Model           | 1756-L55M12                 |
| Product type    | ControlLogix5555 Controller |
| Product family  | ControlLogix5555            |
| 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

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- Owns the chassis control task and scheduled program execution
- Produces and consumes data through configured communication modules
- Coordinates local and distributed I/O update paths
- Reports controller and chassis diagnostic status to engineering tools

## Model configuration

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|                |                             |
|----------------|-----------------------------|
| Complete model | 1756-L55M12                 |
| Product type   | ControlLogix5555 Controller |
| System family  | ControlLogix5555            |

## 2. Technical specifications

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|                               |                      |
|-------------------------------|----------------------|
| Data and logic memory         | 750 KB               |
| I/O memory                    | 208 KB               |
| Nonvolatile memory            | Not supported        |
| Backplane current at 5.1 V DC | 1.23 A               |
| Backplane current at 24 V DC  | 14 mA                |
| Power dissipation             | 5.6 W                |
| Thermal dissipation           | 19.1 BTU/h           |
| Operating temperature         | 0-60 C               |
| Storage temperature           | -40-85 C             |
| Relative humidity             | 5-95%, noncondensing |
| Operating shock               | 30 g, 11 ms          |
| Nonoperating shock            | 50 g, 11 ms          |
| Vibration                     | 2 g at 10-500 Hz     |
| Programming cable             | 1756-CP3 or 1747-CP3 |

### 3. Functions, applications and components

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#### **ControlLogix5555 installed-base control**

Owns the chassis control task and scheduled program execution

#### **1756-L55M12 controller migration planning**

Produces and consumes data through configured communication modules

#### **1756-L55M12 shutdown replacement**

Coordinates local and distributed I/O update paths

#### **1756-L55M12 program recovery and validation**

Reports controller and chassis diagnostic status to engineering tools

#### **Associated system components**

- 1756 ControlLogix chassis
- compatible 1756 power supply
- communication modules
- RSLogix 5000 project

## 4. Engineering FAQ and source record

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### Which chassis accepts 1756-L55M12?

Install it in a compatible 1756 ControlLogix chassis with the approved power supply and keyed surrounding modules.

### How should the project be prepared before replacing 1756-L55M12?

Archive the online project, firmware information, controller properties, I/O tree and communication settings before shutdown.

### What memory must be compared for 1756-L55M12?

Confirm the installed catalog number against 750 KB of data/logic memory and 208 KB of I/O memory.

### How is communication restored after fitting 1756-L55M12?

Set the approved network path, download the validated project and confirm each configured bridge and I/O connection.

### Source record

Rockwell Automation ControlLogix Controller and Memory Board Installation Instructions  
1756-IN101  
[https://literature.rockwellautomation.com/idc/groups/literature/documents/in/1756-in101\\_-en-p.pdf](https://literature.rockwellautomation.com/idc/groups/literature/documents/in/1756-in101_-en-p.pdf)

### ASK FOR QUOTE

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