

APTER POWER PRODUCT GUIDE

# 1756-L1M2

## ControlLogix5550 Controller

Allen-Bradley 1756-L1M2 is a ControlLogix5550 Controller for the ControlLogix5550 platform. It executes user logic, exchanges chassis I/O data and coordinates communications through installed ControlLogix modules.

|                 |                             |
|-----------------|-----------------------------|
| Manufacturer    | Allen-Bradley               |
| Model           | 1756-L1M2                   |
| Product type    | ControlLogix5550 Controller |
| Product family  | ControlLogix5550            |
| Country         | Sweden                      |
| HS code         | 8537101190                  |
| Shipping origin | Xiamen, Fujian, China       |

### APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

Three interface paths, one controlled configuration.

WHATSAPP / PHONE +86 180 3023 5313  
EMAIL sales13@apterpower.com



SCAN FOR PRODUCT & QUOTE

# 1. Installation and system fit

---

- Back up and verify the controller project before removal.
- Confirm chassis slot, controller series and memory option from the nameplate.
- Remove and insert the controller only under the installation conditions stated by Rockwell Automation.
- After download, verify I/O ownership, produced/consumed tags and all communications.

## Controlled configuration

---

|                |                             |
|----------------|-----------------------------|
| Complete model | 1756-L1M2                   |
| Product type   | ControlLogix5550 Controller |
| System family  | ControlLogix5550            |

## 2. Commissioning sequence

---

- 1 Back up and verify the controller project before removal.
- 2 Confirm chassis slot, controller series and memory option from the nameplate.
- 3 Remove and insert the controller only under the installation conditions stated by Rockwell Automation.
- 4 After download, verify I/O ownership, produced/consumed tags and all communications.

### Technical verification note

Use the Rockwell Automation 1756 controller installation sequence for 1756-L1M2. Preserve the validated project and confirm chassis communication before placing outputs under program control.

### 3. Application verification

---

**ControlLogix5550 installed-base control**

Owns the chassis control task and scheduled program execution

**1756-L1M2 controller migration planning**

Produces and consumes data through configured communication modules

**1756-L1M2 shutdown replacement**

Coordinates local and distributed I/O update paths

**1756-L1M2 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. Maintenance and verification FAQ

---

### What power check applies to 1756-L1M2?

Include its published backplane demand of 1.05 A at 5.1 V DC and 20 mA at 24 V DC in the chassis loading review.

### How should 1756-L1M2 be commissioned?

Verify controller mode, task execution, I/O ownership, inhibited modules, produced/consumed tags and output permissives.

### Can a different ControlLogix controller replace 1756-L1M2 directly?

Not without a migration review covering firmware, instructions, communication limits, memory and project conversion.

### What maintenance records are needed for 1756-L1M2?

Record the serial/revision data, firmware, project checksum, battery or memory condition, chassis diagnostics and final functional test.

### Source record

Rockwell Automation ControlLogix Controller and Memory Board Installation Instructions  
1756-IN101

## ASK FOR QUOTE

[sales13@apterpower.com](mailto:sales13@apterpower.com) | +86 180 3023 5313 | [www.apterpower.com](http://www.apterpower.com)