

Allen-Bradley 1756 Series Service Manual

1756-L83EP

1. Description

Mfr. Part Number:

2. Specifications

Specification	Value
Brand	Allen-Bradley / Rockwell Automation
Series	ControlLogix
Part	Number 1756-L83EP
Product	Type Processor
Compatible	With ControlLogix 5570/5560 Controllers
Controller	Tasks 32
Programs	Per Task 1000
Communication	1 USB Port, Ethernet Port
Applications	Monitoring, Controlling Applications
Installation	Location ControlLogix I/O Chassis
Current	Draw 1.2 Amps at 5.1 Volts Description
The	Allen-Bradley 1756-L83EP processor is a ControlLogix processor unit that is based on the EtherNet/IP Communication network. It comes with 32 tasks and it has 1000 programs per task as well as unlimited event triggers. This unit features a digital I/O count of 128,000 I/O at maximum along with an analog I/O count of 4000 I/O at maximum. The module provides the user with a communication speed of 12 Mbps and it has the option of supporting either 100 or 250 Ethernet Nodes. The 1756-L83EP processor has a user memory capacity of 10 MB and 50 Volts of isolation voltage (continuous). It has a thermal dissipati

3. Product Information

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1756-L83EP

Manufacturer: Allen-Bradley / Rockwell Automation

Description: Allen-Bradley 1756-L83EP ControlLogix 5580E Process Controller, 10MB

Full Description: Allen Bradley 1756-L83EP ControlLogix 5580E Process Controller, 10MB User Memory, USB 2.0 Port (12Mbps), 1GB Ethernet Port, 250 EtherNet/IP Devices, 4 Character Alpha/Numeric Display, Supported in Studio 5000 Automation Engineering and Design Environment. The 1756-L83EP ControlLogix Controller is a product of Allen-Bradley. It is designed to provide scalable control solutions. Technical specifications for 1756-L83EP

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The 1756-L83EP processor also supports other optional communication options including THE EtherNet, ControlNet, EtherNet/IP, and third-party options such as device networks. For the Ethernet communication unit, it is essential that the users consider the connections to the controller along with the input and output module connections. They support direct connection to the EtherNet/IP network without requiring a bridge module. This controller is intended for use with an SD card since these cards have been tested and confirmed to be compatible and usable with the 1756-L83EP processor. They can also withstand extreme industrial temperature levels. The Allen-Bradley 1756-L83EP processor unit features an optional non-volatile storage memory unit and it comes with a 2 GB SD card. It has a non-removable storage for energy.