

Allen-Bradley 1756 Series Service Manual

1756-L81EP

1. Description

Mfr. Part Number:

2. Specifications

Specification	Value
Brand	Allen-Bradley / Rockwell Automation
Series	ControlLogix
Part	Number 1756-L81EP
Product	Type Controller
Compatible	With ControlLogix 5570/5560 Controllers
Controller	Tasks 32
Programs	per task 1000
Communication	1 USB port, 1 Ethernet Port
Application	Monitoring, Controlling
Installed	On ControlLogix I/O Chassis
Current	Draw 1.2 Amps at 5.1 Volts
The	Description 1756-L81EP controller is a ControlLogix controller manufactured by Allen-Bradley to provide a scalable controller solution which can address the many input and output points in a system. This ControlLogix controller can be put into any slot of the ControlLogix I/O chassis, and still have multiple controllers installed in the same chassis. ControlLogix controllers such as the 1756-L81EP controller unit can help in monitoring and controlling the inputs and outputs across the ControlLogix backplane as well as over the network links. The ControlLogix 5580 controllers, including the 1756-L81EP controller, come with an embedded

3. Product Information

Mfr. Part Number:

1756-L81EP

Manufacturer: Allen-Bradley / Rockwell Automation

Description: Allen-Bradley 1756-L81EP ControlLogix 5580E Process Controller, 3MB

Full Description: Allen Bradley 1756-L81EP with Alpha 5580E Process Controller, 3MB User Memory, USB 2.0 Port (12Mbps), 1GB Ethernet Port, 100 EtherNet/IP Devices, 4 Character Alpha/Numeric Display, Supported in Studio 5000 Automation Engineering and Design Environment The 1756-L81EP module is a process controller module that is manufactured by Allen-Bradley/Rockwell Automation as part of the ControlLogix 5580 series. It has a special conformal coating that protects it from corrosive chemicals in harsh environments. The 1756-L81EP process controller module can also operate safely at extreme temperatures between -25 and 70 degrees Celsius or -13 to 158 degrees Fahrenheit. This process controller

Technical specifications for 1756-L81EP

Brand Allen-Bradley / Rockwell Automation

Series ControlLogix

Part Number 1756-L81EP

Product Type Controller

Compatible With ControlLogix 5570/5560 Controllers

Controller Tasks 32

Programs per task 1000

Communication 1 USB port, 1 Ethernet Port

Application Monitoring, Controlling

Installed On ControlLogix I/O Chassis

Current Draw 1.2 Amps at 5.1 Volts

Description
The 1756-L81EP controller is a ControlLogix controller manufactured by Allen-Bradley to provide a scalable controller solution which can address the many input and output points in a system. This ControlLogix controller can be put into any slot of the ControlLogix I/O chassis, and still have multiple controllers installed in the same chassis. ControlLogix controllers such as the 1756-L81EP controller unit can help in monitoring and controlling the inputs and outputs across the ControlLogix backplane as well as over the network links. The ControlLogix 5580 controllers, including the 1756-L81EP controller, come with an embedded Ethernet port that enhances direct connection to the Ethernet-enabled devices along with the networks, and they also have support for communication interface modules on the local chassis. The operators should install a suitable communication interface into the local chassis to provide a communication option for the ControlLogix 5570 or 5560 controllers.

The Allen-Bradley ControlLogix 5580 controllers with No Stored Energy (NSE) features are designed for use in applications requiring the installed controller to exhaust its residual stored energy to the specified levels before it is transported into or out of the application. The ControlLogix 5580 and 5570 controllers come with a conformal coating which adds a layer of protection in case the unit is exposed to corrosive environments or even ash. The products that have a conformal coating also have the suffix "K" at the end of its catalog number. The 1756-L81EP ControlLogix controller unit supports 32 controller tasks, 1000 programs per task, and unlimited local Input and output event triggers. It features 8 built-in communication ports including 1 USB port and an embedded Ethernet port.