

Allen-Bradley 1756 Series Service Manual

1756-L82ES

1. Description

Mfr. Part Number:

2. Specifications

Specification	Value
Brand	Allen-Bradley / Rockwell Automation
Series	ControlLogix
Part	Number 1756-L82ES
Product	type Industrial controller
Controller	type GuardLogix controller
Link	speeds 10 Mbps, 100 Mbps, and 1 Gbps
User	memory 5 MB
Safety	memory 2.5 MB
Task	capacity 1 safety task and 31 standard tasks Description
The	Allen-Bradley 1756-L82ES controller is GuardLogix series industrial controller. The 1756-L82ES GuardLogix controller is similar to the Allen-Bradley ControlLogix controllers, but the GuardLogix controller is better suited for applications that need safety connections or safety logic. This GuardLogix controller comes with 5 MB of user memory and with 2.5 MB of safety memory. It can support up to 175 Ethernet/IP nodes. It is rated to support 1 safety task and 31 standard tasks at a time, and it is rated to support up to 1000 programs per task. The 1756-L82ES GuardLogix controller is compatible with a variety of communication options, including the ControlNet, DeviceNet, Synchlink, Remote I

3. Product Information

Mfr. Part Number:

1756-L82ES

Manufacturer: Allen-Bradley / Rockwell Automation

Description: Allen-Bradley 1756-L82ES GuardLogix5580 Processor, 7.5MB, EtherNet/USB

Full Description: Allen Bradley 1756-L82ES GuardLogix 5580 Safety Controller, 5MB Standard Memory and 2.5MB Safety Memory, USB 2.0 Port (12 Mbps), 1GB Ethernet Port, 175 Ethernet/IP Devices, 32 Tasks, 1000 Programs/Task, 4 Character Alpha/Numeric Display, Supported in Studio 5000 Automation Engineering & Design Environment The Allen-Bradley 1756-L82ES controller is GuardLogix series industrial controller. The 1756-L82ES GuardLogix controller is similar to the Allen-Bradley ControlLogix controllers, but the GuardLogix controller is better suited for applications that need safety connections or safety logic. Technical specifications for 1756-L82ES

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It can also provide integrated safety over the EtherNet/IP network. Some of the most common applications for the 1756-L82ES controller are supporting link speeds of 10 Mbps, 100 Mbps, and 1 Gbps, bridging messages over the EtherNet/IP network, communicating with distributed I/O modules, and directly connecting a controller over the EtherNet/IP network without using a bridge module. This controller can handle multiple programming languages such as the Ladder Diagram, the Function Block Diagram, and the Structured Text programming languages.