

Allen-Bradley 1756-L73

Mfr. Part Number:

1756-L73

Manufacturer: Allen-Bradley / Rockwell Automation

Description: Allen-Bradley 1756-L73 ControlLogix Logix5673 Processor with 8 Mbytes Memory

Full Description: Allen-Bradley 1756-L73 ControlLogix 1756-L7 Logix5673 Controller with 8 Mbytes User Memory, 1-Port USB 2.0, 32 Tasks, 100 Programs/Task, 128,000 Total I/O The Allen-Bradley 1756-L73 controller is a standard controller model from the Allen-Bradley ControlLogix product line. It is a ControlLogix 5570 type of controller that can handle 100 programs per task at a time and up to 32 tasks at a time. The 1756-L73 ControlLogix 5570 controller supports several communication options, including the ControlNet, Ethernet/IP, DeviceNet, Technical specifications for 1756-L73

Manufacturer Rockwell Automation

Isolation Voltage 30 Volts Continuous

Power Dissipation 2.5 Watts

Current Draw (5.1 Volts) 800 Miliampere

Current Draw (1.2 Volts DC) 5.0 Miliampere

Module Type ControlLogix Controller

Part Number/Catalog No. 1756-L73

Enclosure None (Open-Style)

Brand Allen-Bradley

Communication interfaces One (1) USB

Chassis 1756-A4, 1756-A4K, 1756-A7, 1756-A7K, 1756-A10, 1756-A10K, 1756-A13, 1756-A13K, 1756-A17, 1756-A17K

Standard Power Supply 1756-PA50, 1756-PA72, 1756-PA72K, 1756-PA75, 1756-PA75K, 1756-PB50, 1756-PB72, 1756-PB72K, 1756-PB75, 1756-PB75K, 1756-PH75

Redundant Power Supply 1756-PA75R, 1756-PA75RK, 1756-PB75R, 1756-PB75RK, 1756-PSCA2, 1756-PSCA2K

Series ControlLogix

I-O Memory 0.98 MB

User Memory 8 MB

Maximum I-O 128,000

Maximum Analog I-O 4,000

Maximum Digital I-O 128,000

Thermal Dissipation 8.5 BTU per hour

UPC 10612598876034 Description

The Allen-Bradley 1756-L73 is a ControlLogix processor module that is part of the Logix 5570 product category. This is a Programmable Automation Controller (PAC) that is compatible for use in controlling large applications in the factory or process automation applications. It supports

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simplex configuration and high-availability (redundant) controller configuration for increased system availability.

The 1756-L73 is capable of interfacing 128,000 input and output signals as well as 4000 analog Input and output signals. It can be implement local I/O configuration where I/O modules are installed within the same chassis where the controller is installed or distributed I/O topology where expansion I/Os are installed remote from the processor and provides I/O through the extended communication bus. This controller supports Ethernet I/P, DeviceNet, ControlNet, Synchlink, as well legacy communication protocols such as Data Highway Plus (DH+), Remote I/O (RIO) and 3rd party protocols. It may also be configured to communicate with gateways and protocol converters. Similarly, this controller is compatible with any Allen-Bradley encompass partner ControlLogix modules.

This controller also comes with integrated motion as it supports SERCOS interface, analog motion sensors and motion control over Ethernet I/P. When programming this controller, applicable programming languages include relay ladder, structured text, function block diagram, and sequential function chart.

This controller is capable of handling 32 controller tasks, with 100 programs per task while event tasks accept all event triggers. This controller comes with 8MB user memory and I/O memory of 0.98 MB. It is also equipped with energy storage technology, eliminating use of battery for retaining contents of the volatile memory.

The 1756-L73 can use up to 8 MB of user memory with 0.98 MB of Input/Output memory. In addition, it has 128,000 total and digital I/O and 4000 analog I/O at most. The required current draw at 1.2V DC is 5 mA and 800 mA current draw is required at 5.1V DC. The 1756-L73 has 2.5 W power dissipation and 8.5 BTU/hour thermal dissipation. The isolation voltage is continuous at 30 V with basic insulation, tested at 500V AC for 60 seconds. Using a USB 2.0, it can reach up to 12 Mbps at its full speed. Approximately, it only weighs 0.25 kg with a 1-slot width and an open-style enclosure. The module is chassis-based at any slot for the 1756 chassis series. The 1756-L73 controller's power requirement is a standard 1756 power supply. Its wiring category is 3 on USB ports. The 1756-L73 controller has an operating temperature of 0-60 deg. Celsius and its non-operating temperature is -40-85 ° . Celsius. The maximum surrounding temperature that it can operate at is 60 ° . Celsius with 5 - 95% non-condensing relative humidity. Its operating vibration is 10 - 500 Hz is 2 g and its operating shock is 30 g operating shock while its non-operating shock is 50 g. It can reach 45 g when an SD card was installed.

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