

Allen-Bradley 1756 Series Service Manual

1756-L82EXT

1. Description

Allen-Bradley manufactures the 1756-L82EXT Controller as a ControlLogix-XT controller. It belongs to the Allen-Bradley ControlLogix-XT 5580 Controllers series. Technical specifications for 1756-L82EXT

2. Specifications

Specification	Value
Brand	Allen-Bradley / Rockwell Automation
Series	ControlLogix
Part	Number 1756-L82EXT
Product	Type Controller
Product	Line ControlLogix-XT 5580
User	Memory 5 MB
Nonvolatile	Memory (Optional) 20 MB
Minimum	Current Draw 5 mA at 1.2V DC
Maximum	Current Draw 1.2 A at 5.1V DC
Shock	30 G
Vibration	2 G at 10 to 500 Hz
Communication	USB and Ethernet ports Description
The	1756-L82EXT Controller is a ControlLogix-XT controller manufactured by Allen Bradley as a member of the ControlLogix-XT Controllers product line. These controllers and the standard ControlLogix controllers work in a similar way. The ControlLogix-XT series controllers are intended for machine controlling and for communication system components and they are conformally coated for protection when they are exposed to hazardous and corrosive environments. The Allen-Bradley 1756-L82EXT Controller can tolerate temperatures ranging from -20 to 70 degrees Celsius when it is used with the Flex I/O-XT devices. On the other hand, when thi

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The Allen-Bradley 1756-L82EXT ControlLogix-XT Controller has multiple communication options including the DeviceNet, Data Highway Plus, Ethernet, Remote I/O, and SynchLink communication networks. It also supports different programming languages like the Structured Text, Relay Ladder Logic, Sequential Function, and Function Block Diagram programming languages. The 1756-L82EXT Controller has a user memory capacity of 5 MB, and 2 GB of optional nonvolatile memory. It operates on a current draw of 5 milliamps at 1.2 Volts DC and 1.20 Amps at 5.1 Volts DC. It has a thermal dissipation rating of 21.2 BTU per hour and a power dissipation rating of 6.2 Watts. It also features a vibration rating of 2 g at 10 to 500 Hertz, and a shock rating of 30 g.