

Allen-Bradley 1766-L32AWAA

The Allen-Bradley 1766-L32AWAA is a MicroLogix 1400 Controller. This controller is powered by an external supply voltage of 120VAC / 240VAC with embedded Twenty (20) 120VAC discrete inputs, Two (2) Voltage inputs, Twelve (12) Relay outputs and Two (2) Voltage output channels.

Technical specifications for 1766-L32AWAA

Manufacturer Rockwell Automation

Part Number/Catalog No. 1766-L32AWAA

Brand Allen-Bradley

Product Family: MicroLogix

Product Type: MicroLogix 1400 Controller

Number of I/O: 32

Number of Inputs: Twenty (20) 120VAC inputs

Input Operating Range: 79-132VAC

Number of outputs: 16 (Relay)

Relay Output operating range: 5 - 125V DC / 5 - 264V AC

No. of Analog inputs Two (2) Voltage

Analog Input Voltage range: 0...10.0VDC - 1 LSB

Operating Frequency: 47-63 Hz

Power Consumption: 100 VA

Power supply inrush current 120V AC: 25 A for 8 ms 240V AC: 40A for 4 ms

Communication port: One (1) isolated RS232 / RS485 combo port; One (1) non-isolated RS232 communication port; One (1) Ethernet communication port.

Supported Protocols: Serial: DF1, ASCII, MODBUS RTU, DNP3, DH485 Ethernet: Ethernet I/P, DNP3, MODBUS TCP/IP

Module Type Controller

Series MicroLogix 1400

Inputs (20) Digital 120V AC, (4) Analog

Outputs (12) Relay, (2) Analog

Operating Power 110-240V AC

Channel Count (20) IP, (12) OP

Memory 20 KB

Feature Built-in RTC

UPC 10612598518125 Description

The Allen-Bradley 1766-L32AWAA is a compact Programmable Logic Controller (PLC) that is an ideal solution for micro and small automation requirements. This controller is part of the MicroLogix 1400 controller family with embedded functionalities, allowing this controller to implement digital and analog controls, both in manual or automatic mode. This controller has built-in discrete and analog I/O channels as well as variety of communication interfaces.

You can contact us through the following contact information

www.sparetechplc.com +86 180 3000 5825 sales@sparetechplc.com

The 1766-L32AWAA comes with Two (2) serial communication interfaces, with primary serial interface having a 9-pin sub-D RS232C connector while the secondary serial interface having a circular 8-pin mini-DIN physical port. Both serial ports are compatible with a variety of communication protocols such as DH-485, DF1 Full-Duplex, DF1 Half-Duplex Master and Slave, DF1 Radio Modem, Modbus RTU Master and Slave, ASCII and DNP3 Slave. It is also equipped with One (1) RJ45 port supporting Ethernet I/P protocol for networked communication, supporting transmission speed of 10/100 Mbps communication speed. These ports may be used for programming and communication with Human Machine Interfaces (HMI) and Supervisory Control and Data Acquisition Systems (SCADA).

Additionally, this same communication port provides physical connection to the embedded webserver that may be accessed using standard web browsers such as Microsoft Internet Explorer, Edge, Google Chrome or Mozilla Firefox.

The 1766-L32AWAA has built-in Twenty (20) 120VAC discrete inputs, Two (2) Voltage analog inputs, Twelve (12) Relay outputs and Two (2) Voltage output channels. It also supports installation of up to Seven (7) 1762 I/O modules for expanding the embedded I/O capability of the controller.

The 1766-L32AWAA controller requires 120-240V AC input power and has battery-backed RAM. It supports 32 digital I/O points with 20 digital 120V AC inputs, 12 Relay outputs and 6 analog (12 bits) I/O points with 4 inputs and 2 outputs. It can be expanded by connecting it with as many as seven 1762 expansion I/O modules. It has dimensions of 3.5 x 7.08 x 3.43 in. and a weight of 2 lbs. For communication, it has an isolated RS-232/485 port, an Ethernet port, and a non-isolated RS-232 port. It also has an embedded real-time clock to provide a reference for applications that need time-based control. For installation, it has Panel or DIN-Rail mounting options with an open enclosure. It is suitable for use in clean, dry industrial environments with circuits not exceeding Over Voltage Category II. The 1766-L32AWAA controller's Ethernet port provides DNP3 protocol support as well as web server and email capabilities. It has 2 Serial ports with DH485/DF1/Modbus RTU/DNP3/ASCII protocol support. It has up to 6 embedded 100 kHz high-speed counters (only on controllers that have DC inputs). It also has 20 KB memory for user programs and data.

You can contact us through the following contact information

www.sparetechplc.com +86 180 3000 5825 sales@sparetechplc.com