

Allen-Bradley 1785-L40B

The Allen-Bradley 1785-L40B is an Allen-Bradley PLC5 Controller. This controller has 48K words of user memory, supports 2048 (any mix) or 2048 in + 2048 out (complementary). It has embedded communication ports such as Four (4) DH+/Remote I/O (Adapter or Scanner) One (1) serial port, configurable for RS-232 and 423 and RS-422A standards. Technical specifications for 1785-L40B

Manufacturer Rockwell Automation

Part Number/Catalog No. 1785-L40B

Brand Allen-Bradley

Non-Operating Temperature: IEC 60068-2-1 (Test Ab, Un-packaged Nonoperating Cold), IEC 60068-2-2 (Test Bc, Un-packaged Nonoperating Dry Heat), IEC 60068-2-14 (Test Na, Un-packaged Nonoperating Thermal Shock): - 40...85 o C (- 40...185 o F)

Operating Temperature: EC 60068-2-1 (Test Ad, Operating Cold), IEC 60068-2-2 (Test Bd, Operating Dry Heat), IEC 60068-2-14 (Test Nb, Operating Thermal Shock): 0...60 o C (32...140 o F)

Maximum number of I/O per link: 32

Battery: 1770-XYC

Memory: 48 KWords

Embedded Communication interfaces: 4 DH+/Remote I/O (Adapter or Scanner) 1 serial port, configurable for RS-232 and 423 and RS-422A standards

Backplane current load: 3.3A

Power Dissipation: 17.3W

Power Supply: 1771-P4S, -P6S, -P4S1, -P6S1

Product Type: Programmable Logic Controller

Product Family: PLC5

Module Type Standard Processor

Processor PLC-5/40

Max User Memory Words 48 Kilowords

Battery-Backed Static RAM Yes

EEPROM Program Backup Option (using 1785-ME16, -ME32, -ME64, and -M100) Yes

Protected Memory No

Max Total I/O 2048 (any mix) or 2048 in + 2048 out (complementary)

Max Analog I/O 2048

I/O Scan Time Per Rack 10 ms at 57.6 kbits/s, 7 ms at 115.2 kbits/s, 3 ms at 230.4 mbits/s

Max I/O Chassis Total 61

Max I/O Chassis Extended Local 0

Max I/O Chassis Universal Remote 32 Max. Per I/O Link

RS-232-C/422-A/423- A Ports 1

Control Coprocessor Expansion Port Yes

UPC 10612598124012 Description

The Allen-Bradley 1785-L40B is a Programmable Logic Controller (PLC) component. This product

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is a Controller that belongs to the PLC5 product family. It is mounted to a PLC5 chassis such as 1771-A1B, 1771-A2B, 1771-A3B, 1771-A3B1, and 1771-A4B.

This controller is ideally used for medium to large automation application as it is built with a 48KWords user memory capable of handling any combination of I/O devices with total count of 2048 points or 2048 input and 2048 output devices for complementary configuration. With the increased I/O capacity, this controller can also handle up to 29 PLC 5 racks, composed of 1 local rack and 28 Remote I/O rack. The local rack refers to the rack where the controller is installed.

This controller is also built with Four (4) DH+ or Remote I/O (Adapter or Scanner) combination port, One (1) serial port, configurable for RS-232 and 423 and RS-422A communication standards. Each of the combination port may be used with separate networks, allowing the controller to implement Four (4) independent DH+ / RIO networks. The serial communication channel allows point-to-point interface which is also ideally used for short distance communication.

Additional EEPROM or backup memory devices may be installed to serves as the controller ' s non-volatile memory. Available memory cards are 1785-ME16 for 16K words, 1785-ME32 for s 32K words, 1785-ME64 for 64K words and 1785-ME100 for 100K words.



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