



ALLEN-BRADLEY

Enhanced PLC-5 and Ethernet PLC-5 Programmable Controller Memory Module

(Cat. No. 1785-ME16, -ME32, -ME64, and -M100)

Installation Data

To the Installer

This document provides you with the following information.

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Terminology

These processors are referred to as enhanced PLC-5 programmable controllers:

- PLC-5/11
- PLC-5/20
- PLC-5/30
- PLC-5/40, -5/40L
- PLC-5/60, -5/60L
- PLC-5/80

These processors are referred to as Ethernet PLC-5 programmable controllers:

- PLC-5/20E
- PLC-5/40E
- PLC-5/80E

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Enhanced PLC-5 and Ethernet PLC-5
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Choosing Compatible Processors and Software for the Memory Module

Table 1 shows the the programmable controllers and the software that are compatible with the 1785-ME16, -ME32, -ME64, -M100 memory modules.

Table 1
1785-ME16, -ME32, -ME64, -M100 Compatibility

Memory Module:	Compatible Programmable Controllers:		Compatible Software:
	Catalog Number:	Series and Revision:	
1785-ME16, 1785-ME32 and 1785-M100	1785-L11B, -L20B, -L30B, -L40B, -L40L, -L60B, -L60L, 1785-L11B, -L20B 1785-L20E, 1785-L40E 1785-L30B 1785-L40B, -L40L, -L60B, -L60L 1785-L40B, -L40L, -L60B, -L60L 1785-L80B	series C, revision C and later series A, revision E and later series C, revision D and later series A revision F and later series B revision F and later series A, revision J and later series C, revision C and later	6200 PLC-5 Programming Software release 4.4 or later
1785-ME64	1785-L11B, -L20B, -L30B 1785-L20E, 1785-L40E 1785-L40B, -L60B 1785-L40L, -L60L 1785-L80B	all series, all revisions series C, revision D and later series A, revision C and later series A, revision C and later series C, revision C and later	6200 PLC-5 Programming Software release 4.1 or later

Handling the Memory Module

The memory module is shipped in a static-shielded bag to guard against electrostatic damage.



ATTENTION: Under some conditions, electrostatic discharge can degrade performance or damage the memory module. Observe the following precautions to guard against electrostatic damage:

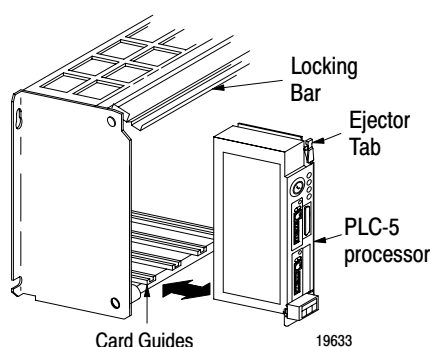
- Touch a grounded object to rid yourself of static charge before handling the module.
- When not in use, keep the module in its static-shielded bag.

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Important: You can have continuous processor memory backup after restoring a program from a memory module to a processor by following these instructions:

1. Turn off power to the processor and I/O chassis.
2. Remove the memory module by following the removal procedure in this document (see page 5).
3. Remove the write protection jumper with needle nose pliers to guard against unauthorized changes. Store the jumper in a safe place for future use.
4. Re-install the memory module into the processor by following the installation procedure in this document (see page 5).
5. Remove the processor from the I/O chassis.
6. Set switch 6 and 7 of the assembly backplane switches to the ON position (see page 4).
7. Re-install the processor into the I/O chassis.



Specifications

The following table shows the specifications for the memory modules.

Memory Module		1785-ME16	1785-ME32	1785-ME64	1785-M100
Capacity		16K words	32K words	64K words	100K words
Type		Nonvolatile			
Write Protection		By removing the jumper			
Weight		85.05 g 3 oz	70.875 g 2.5 oz	70.875 g 2.5 oz	70.875 g 2.5 oz
Environment	Operating Temperature	0° to 60° C (32° to 140° F)			
	Storage Temperature	-40° to 85° C (-40° to 185° F)			
	Relative Humidity	5 to 95% (without condensation)			
Shock Testing	Operating	15 g peak acceleration at 11 ms duration			
	Non-operating	3 g peak acceleration at 11 ms duration			
Vibration Testing		2 g peak acceleration at 10-500 Hz			
Agency Certification (when product or package is marked)		• CSA certified • CSA Class I, Division 2 Groups A, B, C, D • UL listed • CE marked for all applicable directives			