



Overview

Apple® Memory Expansion Kits give you the ability to expand your Macintosh™ Plus, Macintosh SE, or Macintosh II personal computer as your needs change. They let you go to the maximum user memory (RAM) immediately, or in convenient steps as your requirements increase.

Features

- ▶ Total RAM (random-access memory) of up to 4 megabytes for the Macintosh Plus and Macintosh SE, and 8 megabytes for the Macintosh II
- ▶ Flexible configurations
- ▶ RAM is fully addressable by both the processor and the operating system

Benefits

- ▶ Gives you all the memory you need for the most powerful applications.
- ▶ Provides a development platform for sophisticated new applications.
- ▶ Lets you run alternate operating systems.
- ▶ Lets you add just as much memory as you need, whenever you need it.
- ▶ Allows the operating system and applications to take full advantage of the expanded memory.



Apple Memory Expansion Kits: 1MB, 2MB.

Product Details

SIMMs and Logic Board Sockets

Both Apple Memory Expansion Kits come in the form of single in-line memory modules (SIMMs).

Each SIMM is a small circuit board containing eight RAM chips. The SIMMs fit into sockets on the main logic board of each computer.

The 1MB kit contains four 256K SIMMs, and the 2MB kit contains two 1MB SIMMs.

Macintosh Plus and Macintosh SE

Each of these computers has four SIMM sockets. At the time of manufacture, all four sockets are used to provide the basic 1 megabyte of RAM (256K in each socket). Since Macintosh Plus or SE SIMMs must be changed in multiples of two, the upgrade options

for these machines are as follows*:

- ▶ Replace two of the existing 256K SIMMs with the Apple 2MB Memory Expansion Kit, resulting in a total RAM of 2.5 megabytes.
- ▶ Replace all four existing 256K SIMMs with two Apple 2MB Memory Expansion Kits,

resulting in a total RAM of 4 megabytes.

Note: These options assume beginning with a 1MB machine. The RAM can also be increased to the maximum from the intermediate level.

* A 2-megabyte configuration is possible but not practical, because it would involve eliminating two of the existing 256K SIMMs without installing anything in their place.

Macintosh II

This computer has eight SIMM sockets. At the time of manufacture, four of the sockets are used to provide the basic 1 megabyte of RAM (256K in each socket), and four are left empty. Since Macintosh II SIMMs must be installed or changed in multiples of four, the upgrade options for this machine are as follows*:

- ▶ Add one Apple 1MB Memory Expansion Kit in the empty sockets, resulting in a total RAM of 2 megabytes.
- ▶ Add two Apple 2MB Memory Expansion Kits in the empty sockets, resulting in a total RAM of 5 megabytes.
- ▶ Install four Apple 2MB Memory Expansion Kits (replacing the existing RAM as well as filling the empty

sockets), resulting in a total RAM of 8 megabytes.

Note: These options assume beginning with a 1MB machine. The RAM can also be increased to the maximum from any intermediate level.

* A 4-megabyte configuration is possible but not practical, because it would involve eliminating the four existing 256K SIMMs without installing anything in their place.

System Requirements

The Apple 1MB Memory Expansion Kit can only be used with a Macintosh II personal computer.

The Apple 2MB Memory Expansion Kit can be used with a Macintosh Plus (or a Macintosh 128K or Macintosh 512K that

has been upgraded with the Macintosh Plus logic board), Macintosh SE, or Macintosh II personal computer.

Ordering Information

Apple 1MB Memory Expansion Kit*

Order No. M0218

With your order, you'll receive:

- ▶ Apple 1MB Memory Expansion Kit (contains four 256K SIMMs)
- ▶ Limited warranty statement

Apple 2MB Memory Expansion Kit*

Order No. M0219

* Dealer installation is required.