

- Bank A comprises SIMM 1 and SIMM 2; Bank A, the 2 slots towards the rear of the logic board.
- Bank B comprises SIMM 3 and SIMM 4; Bank B, the 2 slots towards the front of the logic board.

Both sockets in each pair must be configured identically. For example, both SIMM sockets 3 and 4 must contain either 256K or 1MB SIMMs, or be empty.

The RAM density of the chips in Bank A must be greater than or equal to the RAM density of the chips in Bank B. For example, if Bank A contains 256K SIMMs, Bank B may be empty or contain 256K SIMMs, but not 1MB SIMMs.

Some configurations require changes to the logic board. There are two resistors that tell the Macintosh important information about what kind of SIMMs are installed.

- If you have only one row of SIMMs installed (say, Bank A has 1MB SIMMs installed and Bank B is empty), then the resistor marked "ONE ROW" must be present; otherwise it should be cut or removed. (The Macintosh Plus and Macintosh SE are not shipped with this resistor installed.)
- If your computer has 256K SIMMs in Bank A, then the resistor marked "256K BIT" must be installed. If either or both Banks have 1MB SIMMs, then the resistor must be cut or removed. (The Macintosh Plus and Macintosh SE come with the resistor installed.)

Here's a chart that shows all the currently possible SIMM configurations and resulting memory total for the Macintosh Plus and Macintosh SE:

.	Bank A	256K	256K	1MB	1MB	1MB
.	Bank B	empty	256K	empty	256K	1MB
.	256K Resistor	present	present	absent	absent	absent
ONE ROW Resistor	present	absent	present	absent	absent	absent
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	Total Memory	512K	1MB	2MB	2.5MB	4MB

Macintosh II

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There are currently four SIMM sizes for the Macintosh II:

- 512 KB
- 1 MB
- 4 MB
- 16 MB

The Macintosh II requires special 4MB SIMMs. Be sure to specify your Macintosh model when ordering these SIMMs and ensure that the vendor is aware of the difference. The Macintosh II requires the SuperDrive (FDHD) Upgrade to use 4MB

or 16MB SIMMs.

To take advantage of more than 8MB of physical RAM, the Macintosh II MUST have a PMMU installed, so that MODE32 can expand the system's memory map.

With the original ROMs, the Macintosh II will not start up if you install 4MB or 16MB SIMMs in bank A. You'll hear musical chimes at startup, indicating a hardware failure. Install 4MB SIMMs in bank B, and use 256K or 1MB SIMMs in bank A. This provides a maximum of 68MB of RAM installed.

With the FDHD ROMs installed, up to 16 MB SIMMs are supported in bank A increasing the maximum memory configuration to 128 MB.

Restrictions on placing SIMMs in the Macintosh II are similar to those for the Macintosh Plus and Macintosh SE: the SIMM sockets are divided into two banks, A and B, each containing four SIMM sockets. All SIMMs in either bank must be of the same type. No resistors need to be cut to differentiate between the possible configurations.

With original ROMs:

Bank A	256K	to a Maximum	1 MB
Bank B	empty		16 MB
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Total Memory	1 MB		68 MB

With FDHD ROMs:

Bank A	256K	to a Maximum	16 MB
Bank B	empty		16 MB
-----	-----		-----
Total Memory	1 MB		128 MB

SIMM Speed Ratings

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- Macintosh Plus: SIMMs must be rated 150ns or faster (the number on the SIMM must be 150 or smaller)
- Macintosh SE: SIMMs must be rated 150ns or faster (the number on the SIMM must be 150 or smaller)
- Macintosh II: SIMMs must be rated 120ns or faster (the number on the SIMM must be 120 or smaller)

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Support Information Services

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