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## Macintosh LC 520: Logic Board Features (6/93)

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TOPIC -----

This article is an overview of the Macintosh LC 520's logic board, with references to some other Macintosh models.

DISCUSSION -----

Like the Macintosh LC III, the Macintosh LC 520 uses a 25 MHz 68030 processor (with an optional 25 MHz 68882 floating point coprocessor) and uses a full 32-bit wide data bus. Combined, these features provide approximately twice the performance of the Macintosh LC II.

The Macintosh LC 520 uses the same 114-pin 68030 Processor Direct Slot (PDS) used by Macintosh LC III. This PDS slot has a special cutout that maintains compatibility with the 96-pin PDS cards designed for the Macintosh LC and LC II.

The Macintosh LC 520 comes with 4MB of RAM soldered on the logic board, plus 1MB in the 72-pin SIMM socket. Additional RAM SIMMs are available in 1MB, 2MB, 4MB, 8MB, 16MB, and 32MB capacities, for RAM expansion up to 36MB. SIMMs must be 72-pin past-paged mode, 80ns or faster.

Expansion is made easy through the use of a slide-out logic board, similar to the Macintosh Color Classic. Upgrading to a larger-capacity hard drive, for example, involves removing the bezel, sliding out the old drive, and sliding in the new drive. (You need the appropriate mounting bracket from the drive's manufacturer.)

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