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LaserWriter Pro 810: Memory Upgrades (11/93)

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TOPIC -----

Printer memory is upgradable with 4 MB or 8 MB modules, up to 32 MB total printer memory (see chart below). Upgrade kits should be installed by your authorized Apple dealer.

DISCUSSION -----

The LaserWriter Pro 810 printer comes standard with 8 MB RAM and 3 MB ROM. The 8 MB RAM allows for rasterizing and printing resolutions up to 800 dpi in letter and A4, and 600 dpi rasterizing and printing in paper sizes up to legal. Memory upgrades are available for printing high resolutions on to large paper sizes, for example, to rasterize pages for printing at 600 dpi on ledger or A3 requires 12 MB RAM and to effectively rasterize and print at 800 dpi on ledger or A3 sized pages requires 16 MB RAM. To achieve the maximum memory capacity requires three 8 MB RAM upgrades.

RAM upgrades provide the following benefits

- faster performance on complex documents (the RAM provides more space to store the calculations needed for large or complex images)
- faster performance when downloading fonts
- faster performance when printing documents that have been scaled down from larger originals (complex organization charts, maps, flow charts)
- the ability to increase the imageable area of a document (you can use more of a sheet of ledger paper, for example)
- the ability to print at higher resolutions

Memory Upgrade Consideration

- The LaserWriter Pro 810 requires a memory upgrade to print at 600 or 800 dpi on certain sizes of paper.

The LaserWriter Pro 810 uses custom memory modules developed specifically for this printer. Each memory module interfaces to the controller board via two connectors which are 40 and 50 pins each. The controller board has room for three memory modules allowing for a total of 32 megabytes of on board DRAM. The following chart describes the supported configurations:

The following memory configurations are supported by the LaserWriter Pro 810:

Total Memory	On-Board Memory	Bank 1 Memory	Bank 2 Memory	Bank 3 Memory
8 MB	8 MB	n/a	n/a	n/a
12 MB	8 MB	4 MB	n/a	n/a
16 MB	8 MB	4 MB	4 MB	n/a
	8 MB	8 MB	n/a	n/a
20 MB	8 MB	4 MB	4 MB	4 MB
	8 MB	8 MB	4 MB	n/a
24 MB	8 MB	8 MB	4 MB	4 MB
	8 MB	8 MB	8 MB	n/a
28 MB	8 MB	8 MB	8 MB	4 MB
32 MB	8 MB	8 MB	8 MB	8 MB

NOTE:

- Always fill the lowest numbered banks first. It doesn't matter what order the 4 MB or 8 MB memory modules go in as long as the lower banks are filled first.
- Do not use RAM from another laser printer with a LaserWriter Pro 810.
- Once you have upgraded your printer's memory, you need to reconfigure the printer driver to take advantage of the additional memory. Open the the Chooser's Setup box. Click More Choices in the Setup box. Click Configure, Choose the options installed on your printer and click OK.

Ordering Information

- LaserWriter Pro 4MB Memory Upgrade (Part No. M1442G/A)
- LaserWriter Pro 8MB Memory Upgrade (Part No. M1443G/A)

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9 November 1993 - corrected memory upgrade information

28 October 1993 - Updated memory upgrade chart

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