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LaserWriter 12/640 PS: Memory Configurations (6/96)

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TOPIC -----

This article contains the possible memory configurations of the LaserWriter 12/640 PS printer.

DISCUSSION -----

The LaserWriter 12/640 PS printer ships with 4MB of RAM. Installing additional memory provides additional features.

Begin_Table

RAM Installed	Options Available
4MB (Standard)	None. You cannot access either PhotoGrade or duplex printing.
12MB	You can enable either PhotoGrade OR duplex printing.
20MB	You can enable both PhotoGrade and duplex printing. Duplex printing is available up to to US letter.
24MB and greater	You can enable both PhotoGrade and duplex printing. Duplex printing is available for all paper sizes including US legal.

End_Table

Note:
Additional memory also enables you to download additional fonts and provides

greater document caching.

RAM Upgrade Specifications

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To increase the printer's RAM, purchase SIMMs with the following specifications:

SIMM Dimensions

Length: 107.95 mm +/- 0.20 mm (4.25 in. +/- .008)

Height: 25.53 mm (1.005 in.) maximum

SIMM Sizes and Speeds

Begin_Table

+=====+			
SIMM Size	Configuration	Speed	Connector type
+=====+			
4 MB SIMM	1 M X 32 bit	70 ns or less	72-pin
	(one 4 MB bank)		
+-----+			
8 MB SIMM	2 M X 32 bit	70 ns or less	72-pin
	(two 4 MB banks)		
+-----+			
16 MB SIMM*	4 M X 32 bit	70 ns or less	72-pin
	(one 16 MB bank)		
+-----+			
32 MB SIMM*	8 M X 32 bit	70 ns or less	72-pin
	(two 16 MB banks)		
+=====+			

End_Table

Note:

* Must have a 2 KB row (11 bit x 11 bit) refresh configuration. 16 MB SIMMs with a 4 KB row (10 bit X 12 bit) refresh configuration are not compatible with the printer.

Installing RAM

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Your printer comes with 4 MB of RAM installed in Bank A/B. The table below lists RAM configurations you can use.

Begin_Table

+=====+			
Amount of Memory	Bank C/D	Bank A/B	
(megabytes)	(left slot)	(right slot)	
+=====+			

4 MB	0 MB	4 MB	
+-----+	+-----+	+-----+	+
8 MB	4 MB	4 MB	
	+-----+	+-----+	+
	0 MB	8 MB	
+-----+	+-----+	+-----+	+
12 MB	4 MB	8 MB	
	+-----+	+-----+	+
	8 MB	4 MB	
+-----+	+-----+	+-----+	+
16 MB	8 MB	8 MB	
	+-----+	+-----+	+
	0 MB	16 MB	
+-----+	+-----+	+-----+	+
20 MB	4 MB	16 MB	
+-----+	+-----+	+-----+	+
24 MB	8 MB	16 MB	
+-----+	+-----+	+-----+	+
32 MB	16 MB	16 MB	
	+-----+	+-----+	+
	0 MB	32 MB	
+-----+	+-----+	+-----+	+
36 MB	4 MB	32 MB	
+-----+	+-----+	+-----+	+
40 MB	8 MB	32 MB	
+-----+	+-----+	+-----+	+
48 MB	16 MB	32 MB	
	+-----+	+-----+	+
	32 MB	16 MB	
+-----+	+-----+	+-----+	+
64 MB	32 MB	32 MB	
+=====+	+=====+	+=====+	+

End_Table

Pages 152-158 in the LaserWriter 12/640 User's Guide provides detailed instructions on installing additional memory in your LaserWriter printer.

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