



# Tech Info Library

## Macintosh Monitor and Video Chart (1 of 4) (11/96)

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TOPIC -----

This article provides a list of Apple Macintosh systems and the monitor and video options each can use.

DISCUSSION -----

Begin\_Table

Specifications	12-in Mono- chrome	12-in RGB	Basic Color Monitor	Color Plus Display
Part Number	M0298LL/A	M0297LL/C	M9103LL/B	M2346LL/A
Resolution (pixels)	640 x 480	512 x 384	640 x 480	640 x 480
Power Frequency (Hz)	50 - 60	47 - 63	50 - 60	47 - 63
Power Voltage (VAC)	90 - 270	100 - 120	100 - 125	90 - 134
Vertical Refresh	66.7 Hz	60.15 Hz	59.94 Hz	66.7 Hz
Horizontal Refresh	35 kHz	24.48 kHz	31.5 kHz	35 kHz
Dots Per Inch (DPI)	76	64	N/A	68
Dot Pitch	N/A	0.28 mm	0.39 mm	0.29 mm

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LC Family	VRAM	12-in Mono-chrome	12-in RGB	Basic Color Monitor	Color Plus Display
LC/LC II	256K	16 G	256 C	16 C	16 C
	512K	256 G	32,768 C	256 C	256 C
LC III	512K	256 G	32,768 C	256 C	256 C
	768K	256 G	32,768 C	32,768 C	32,768 C
LC 475	512K	256 G	32,768 C	256 C	256 C
	1MB	256 G	32,768 C	32,768 C	32,768 C
LC 630		256 G	32,768 C	32,768 C	32,768 C

G = Number of Grays  
C = Number of Colors

Performa Family	VRAM	12-in Mono-chrome	12-in RGB	Basic Color Monitor	Color Plus Display
400/405/ 410/430LC	256K	16 G	256 C	16 C	16 C
	512K	256 G	32,768 C	256 C	256 C
450	512K	256 G	32,768 C	256 C	256 C
	768K	256 G	32,768 C	32,768 C	32,768 C
460/466 /467	512K	256 G	32,768 C	256 C	256 C
	768K	256 G	32,768 C	32,768 C	32,768 C
475/476	512K	256 G	32,768 C	256 C	256 C
	1MB	256 G	32,768 C	32,768 C	32,768 C
550/560 /575/577 /578	N/A	N/A	N/A	N/A	N/A
600/600CD	512K	256 G	32,768 C	256 C	256 C
	1MB	256 G	32,768 C	32,768 C	32,768 C
630		256 G	32,768 C	32,768 C	32,768 C
6200		256 G	32,768 C	32,768 C	32,768 C
6300	1 MB	256 G	32,768 C	32,768 C	32,768 C
6400	1 MB	256 G	32,768 C	32,768 C	32,768 C
Mac TV		N/A	N/A	N/A	N/A

G = Number of Grays  
 C = Number of Colors

Mac II Family		12-in Mono-chrome	12-in RGB	Basic Color Monitor	Color Plus Display
IIsi		256 G	256 C	N/A	256 C
IIci		256 G	256 C	N/A	256 C
IIvi/IIvx	512K	256 G	32,768 C	256 C	256 C
	1MB	256 G	32,768 C	32,768 C	32,768 C

II, IIx, IIcx, IIfx - No built-in video, require a video card.

G = Number of Grays  
 C = Number of Colors

Centris/Quadra Family	VRAM	12-in Mono-chrome	12-in RGB	Basic Color Monitor	Color Plus Display
605	512K	256 G	32,768 C	256 C	256 C
	1MB	256 G	32,768 C	32,768 C	32,768 C
610/650	512K	256 G	32,768 C	256 C	256 C
	1MB	256 G	32,768 C	32,768 C	32,768 C
660AV	1MB	256 G	32,768 C	32,768 C	32,768 C
630		256 G	32,768 C	32,768 C	32,768 C
700	512K	256 G	256 C	256 C	256 C
	1MB	256 G	16.7M C	256 C	256 C
	2MB	256 G	16.7M C	16.7M C	16.7M C
800	512K	256 G	32,768 C	256 C	256 C
	1MB	256 G	32,768 C	32,768 C	32,768 C
840AV	1MB	256 G	32,768 C	32,768 C	32,768 C
	2MB	256 G	16.7M C	16.7M C	16.7M C

900	1MB	256 G	16.7M C	256 C	256 C
	2MB	256 G	16.7M C	16.7M C	16.7M C
950	1MB	256 G	32,768 C	32,768 C	32,768 C
	2MB	256 G	16.7M C	16.7M C	16.7M C

G = Number of Grays  
C = Number of Colors

Note: For the AV computers pixel and viewable color numbers are for computer graphics only. When video is enabled, VRAM is split evenly between graphics and video.

Power Macintosh Family	VRAM	12-in Mono-chrome	12-in RGB	Basic Color Monitor	Color Plus Display
5400	1MB	N/A	N/A	N/A	N/A
6100	HDI45*	256 G	32,768 C	32,768 C	32,768 C
6100AV	2MB	256 G	16.7M C	16.7M C	16.7M C
7100	HDI45*	256 G	32,768 C	32,768 C	32,768 C
	1MB	256 G	32,768 C	32,768 C	32,768 C
	2MB	256 G	16.7M C	16.7M C	16.7M C
7100AV	2MB	256 G	16.7M C	16.7M C	16.7M C
7200	1MB	256 G	16.7M C	32,768 C	32,768 C
	2MB	256 G	16.7M C	16.7M C	16.7M C
	4MB	256 G	16.7M C	16.7M C	16.7M C
7500	2MB	256 G	16.7M C	16.7M C	16.7M C
	4MB	256 G	16.7M C	16.7M C	16.7M C
7600	2MB	256 G	16.7M C	16.7M C	16.7M C
	4MB	256 G	16.7M C	16.7M C	16.7M C
8100	HDI45*	256 G	32,768 C	32,768 C	32,768 C
	2MB	256 G	16.7M C	16.7M C	16.7M C
	4MB	256 G	16.7M C	16.7M C	16.7M C
8100AV		256 G	16.7M C	16.7M C	16.7M C
8500	2MB	256 G	16.7M C	16.7M C	16.7M C
	4MB	256 G	16.7M C	16.7M C	16.7M C
9500/120	2MB	256 G	N/A**	16.7M C	16.7M C
	4MB	256 G	N/A**	16.7M C	16.7M C

\* = HDI-45 port makes use of 640K of internal DRAM memory.

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N/A\*\* The Macintosh 12-in. RGB display cannot be used with the Power Macintosh 9500 series. NOTE: This monitor is incorrectly listed as compatible in the booklet included with each unit titled "Technical Information: Specifications for Power Macintosh 9500 series computers."

PowerBook Family	VRAM	12-in Mono-chrome	12-in RGB	Basic Color Monitor	Color Plus Display
160/165 /c/180/c		256 G	256 C	256 C	256 C
500 Series		256 G	256 C	256 C	256 C
Duo Dock	512K 1MB	256 G 256 G	256 C 32,768 C	256 C 32,768 C	256 C 32,768 C
MiniDock	512K	256 G	256 C	256 C	256 C
Duo Dock II		256 G	32,768 C	32,768 C	32,768 C

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Video Card	12-in Mono-chrome	12-in RGB	Basic Color Monitor	Color Plus Display
Macintosh II	256 G	N/A	N/A	16 C
2-Page Mono Card	N/A	N/A	N/A	N/A
Portrait	N/A	N/A	N/A	N/A
Mono	2 G	N/A	N/A	N/A

High-Res Card (1)	16 G	N/A	16 C	16 C
Ext High-Res Card	256 G	N/A	N/A	256 C
4•8 (2)	256 G	N/A	256 C	256 C
8•24	256 G	16.7M C	N/A	16.7M C
8•24GC	256 G	16.7M C	N/A	16.7M C
Display Card 24 AC	256 G	16.7M C	N/A	16.7M C
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(1) - Can be upgraded with eight (8) Mac II Video Expansion RAM chips (Service PN: 334-002) for 256 grays/colors.				
(2) - The 4•8 can be upgraded to a 8•24 by adding two VRAM SIMMs (Service PN: 661-0609).				
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Article Change History:

27 Nov 1996 - Added 6300 Series information.

18 Nov 1996 - Added 6400 information.

16 May 1996 - Corrected 7200 info for monochrome monitor.

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