

Sheet1

Macintosh Monitor and Video Matrix

Categories	Monitor		Performa	
	12" Mono	12" RGB		
Finished Goods PN	M0298LL/A	M0297LL/C	N/A	
Resolution (Pixels)	640 x 480	512 x 384	640 x 480	
Power Frequency (Hz)	50 - 60	47 - 63	57 - 63	
Power Voltage (VAC)	90 - 270	100 - 120	98 - 132	
Vertical Refresh Rate	66.7 Hz	60.15 Hz	66.7 Hz	
Horizontal Refresh Rate	35 KHz	24.48 KHz	35 KHz	
Dots Per Inch (DPI)		76	64	67
Bandwidth	30.24 MHz	15.67 MHz	18 MHz	
Dot Pitch (mm)	N/A		0.28	0.39
Quadra 950 1 MB VRAM	8 / 256 grays	24 / 16.7M clrs	15 / 32.7K clrs	
Quadra 950 2 MB VRAM	8 / 256 grays	24 / 16.7M clrs	24 / 16.7M clrs	
Quadra 840 1 MB VRAMNxNxNx	8 / 256 grays	15 / 32.7K clrs	15 / 32.7K clrs	
Quadra 840 2 MB VRAMNxNxNx	8 / 256 grays	24 / 16.7M clrs	24 / 16.7M clrs	
Quadra 800 512K VRAM	8 / 256 grays	15 / 32.7K clrs	8 / 256 clrs	
Quadra 800 1 MB VRAM	8 / 256 grays	15 / 32.7K clrs	15 / 32.7K clrs	
Quadra 700 512K VRAM	8 / 256 grays	8 / 256 clrs	8 / 256 clrs	
Q 700/900 1 MB VRAM	8 / 256 grays	24 / 16.7M clrs	8 / 256 clrs	
Q 700/900 2 MB VRAM	8 / 256 grays	24 / 16.7M clrs	24 / 16.7M clrs	
Centris 660AV 1 MB VRAMNxNxNx	8 / 256 grays	15 / 32.7K clrs	15 / 32.7K clrs	
Centris 650 512K VRAM	8 / 256 grays	15 / 32.7K clrs	8 / 256 clrs	
Centris 650 1 MB VRAM	8 / 256 grays	15 / 32.7K clrs	15 / 32.7K clrs	
Centris 610 512K VRAM	8 / 256 grays	15 / 32.7K clrs	8 / 256 clrs	
Centris 610 1 MB VRAM	8 / 256 grays	15 / 32.7K clrs	15 / 32.7K clrs	
Perf 600/ IIvx 512K VRAM Nx	8 / 256 grays	8 / 256 clrs	8 / 256 clrs	
Perf 600/ IIvx 1 MB VRAM Nx	8 / 256 grays	15 / 32.7K clrs	15 / 32.7K clrs	
IIci/IIsi On-Board Video	8 / 256 grays	8 / 256 clrs	8 / 256 clrs	
LC III 512K VRAM	8 / 256 grays	15 / 32.7K clrs	8 / 256 clrs	
LC III 768K VRAM	8 / 256 grays	15 / 32.7K clrs	15 / 32.7K clrs	
P 400/LC/LC II 512K VRAM	8 / 256 grays	15 / 32.7K clrs	8 / 256 clrs	
P 400/LC/LC II 256K VRAM	4 / 16 grays	8 / 256 clrs	4 / 16 clrs	
PwrBk 160/165c/180 Ext'l	8 / 256 grays	8 / 256 clrs	8 / 256 clrs	
DuoDock 512K VRAM	8 / 256 grays	8 / 256 clrs	8 / 256 clrs	
DuoDock 1 MB VRAM	8 / 256 grays	15 / 32.7K clrs	15 / 32.7K clrs	
Duo Mini Dock	8 / 256 grays	8 / 256 clrs	8 / 256 clrs	
8*524 GC Display Card	8 / 256 grays	24 / 16.7M clrs	24 / 16.7M clrs	
8*524 Display Card	8 / 256 grays	24 / 16.7M clrs	24 / 16.7M clrs	
4*58 Display Card NxNx	8 / 256 grays	8 / 256 clrs	8 / 256 clrs	
Mac II Video Card	***		***	
Mac II Mono Video Card	1 / 2 grays			
2-Page Mono Video Card				
Mac II Portrait Video Card				
Mac II HiRes Video Card	***		***	
Mac II Ext HiRes Video Cd	8 / 256 grays		8 / 256 clrs	

Sheet1

AudioVision

Performa Plus	13" RGB	14" Color	14 Display	16" Color	Portrait
N/A	M0401LL/B	M1198LL/A	M1198LL/A	M1044LL/A	M0404
640 x 480	640 x 480	640 x 480	640 x 480	832 x 624	640 x 870
57 - 63	47 - 63	50 - 60	50 - 60	47 - 63	47 - 63
98 - 132	100 - 240	100 - 240	100 - 240	90 - 270	90 - 270
66.7 Hz	66.7 Hz	66.7 Hz	66.7 Hz	75 Hz	75 Hz
35 KHz	35 KHz	35 KHz	35 KHz	50 KHz	68.9 KHz
67	69	69	69	69	70
18 MHz	30.24 MHz	30.24 MHz	30.24 MHz	57.63 MHz	57.29 MHz
0.29	0.26	0.26	0.26	0.26	0.26
15 / 32.7K clrs	15 / 32.7K clrs	15 / 32.7K clrs	15 / 32.7K clrs	15 / 32.7K clrs	8 / 256 grays
24 / 16.7M clrs	24 / 16.7M clrs	24 / 16.7M clrs	24 / 16.7M clrs	24 / 16.7M clrs	8 / 256 grays
15 / 32.7K clrs	24 / 16.7M clrs	15 / 32.7K clrs	15 / 32.7K clrs	15 / 32.7K clrs	8 / 256 grays
24 / 16.7M clrs	24 / 16.7M clrs	24 / 16.7M clrs	24 / 16.7M clrs	24 / 16.7M clrs	8 / 256 grays
8 / 256 clrs	8 / 256 clrs	8 / 256 clrs	8 / 256 clrs	8 / 256 clrs	4 / 16 grays
15 / 32.7K clrs	15 / 32.7K clrs	15 / 32.7K clrs	15 / 32.7K clrs	15 / 32.7K clrs	8 / 256 grays
8 / 256 clrs	8 / 256 clrs	8 / 256 clrs	8 / 256 clrs	8 / 256 clrs	4 / 16 grays
8 / 256 clrs	8 / 256 clrs	8 / 256 clrs	8 / 256 clrs	8 / 256 clrs	8 / 256 grays
24 / 16.7M clrs	24 / 16.7M clrs	24 / 16.7M clrs	24 / 16.7M clrs	24 / 16.7M clrs	8 / 256 grays
15 / 32.7K clrs	24 / 16.7M clrs	15 / 32.7K clrs	15 / 32.7K clrs	15 / 32.7K clrs	8 / 256 grays
8 / 256 clrs	8 / 256 clrs	8 / 256 clrs	8 / 256 clrs	8 / 256 clrs	4 / 16 grays
15 / 32.7K clrs	15 / 32.7K clrs	15 / 32.7K clrs	15 / 32.7K clrs	15 / 32.7K clrs	8 / 256 grays
8 / 256 clrs	8 / 256 clrs	8 / 256 clrs	8 / 256 clrs	8 / 256 clrs	4 / 16 grays
15 / 32.7K clrs	15 / 32.7K clrs	15 / 32.7K clrs	15 / 32.7K clrs	15 / 32.7K clrs	8 / 256 grays
8 / 256 clrs	8 / 256 clrs	8 / 256 clrs	8 / 256 clrs	15 / 32.7K clrs	8 / 256 grays
15 / 32.7K clrs	15 / 32.7K clrs	15 / 32.7K clrs	15 / 32.7K clrs		
8 / 256 clrs	8 / 256 clrs	8 / 256 clrs	8 / 256 clrs		4 / 16 grays
8 / 256 clrs	8 / 256 clrs	8 / 256 clrs	8 / 256 clrs	8 / 256 clrs	4 / 16 grays
15 / 32.7K clrs	15 / 32.7K clrs	15 / 32.7K clrs	15 / 32.7K clrs	8 / 256 clrs	4 / 16 grays
8 / 256 clrs	8 / 256 clrs	8 / 256 clrs	8 / 256 clrs		
4 / 16 clrs	4 / 16 clrs	4 / 16 clrs	4 / 16 clrs		
8 / 256 clrs	8 / 256 clrs	8 / 256 clrs	8 / 256 clrs	8 / 256 clrs	8 / 256 grays
8 / 256 clrs	8 / 256 clrs	8 / 256 clrs	8 / 256 clrs	8 / 256 clrs	8 / 256 grays
15 / 32.7K clrs	15 / 32.7K clrs	15 / 32.7K clrs	15 / 32.7K clrs	15 / 32.7K clrs	8 / 256 grays
8 / 256 clrs	8 / 256 clrs	8 / 256 clrs	8 / 256 clrs	8 / 256 clrs	8 / 256 grays
24 / 16.7M clrs	24 / 16.7M clrs	24 / 16.7M clrs	24 / 16.7M clrs	**	8 / 256 grays
24 / 16.7M clrs	24 / 16.7M clrs	24 / 16.7M clrs	24 / 16.7M clrs	*	8 / 256 grays
8 / 256 clrs	8 / 256 clrs	8 / 256 clrs	8 / 256 clrs		4 / 16 grays
***	***	***	***		

***	***	***	***		
8 / 256 clrs	8 / 256 clrs	8 / 256 clrs	8 / 256 clrs		

Supt Info Scvs 29-Jul-93

8 / 256 clrs

21" Mono	21" Color		Bits per Pixel
M0402	M5812LL/A	*	The 4*58 and 8*524 Display Cards require the Rev B ROM (Service PN 076-0548) to support the 16" monitor. The Rev B ROM supports the 4*58 and 8*524 cards at 8 bits.
1152 x 870	1152 x 870		
47 - 63	47 - 63		
85 - 270	85 - 270		
75 Hz	75 Hz		Rev A 8*524 GC cards require the Rev B ROM upgrade (Service PN 076-1019) to support the 16" monitor. The Rev B ROM & Rev A 8*524 Card support the 16" Monitor at 8 bit / 256 clrs. The Rev B 8*524 GC Card supports the 16" Monitor at 15 bits / 32.7K Clrs
68.7 KHz	68.7 KHz	**	
	77	79	
100 MHz	100 MHz		
N/A	0.26 x 0.29		This option supports 4 bit / 16 clr video. The card can be upgraded with eight (8) Mac II Video Expansion RAM chips (Service PN 334-0024) for 8 bit / 256 clr video.
8 / 256 grays	8 / 256 clrs		
8 / 256 grays	15 / 32.7K clrs		
8 / 256 grays	8 / 256 clrs		
8 / 256 grays	15 / 32.7K clrs	***	This option supports 2 bit / 4 clr video. The card can be upgraded with eight (8) Mac II Video Expansion RAM chips (Service PN 334-0024) for 4 bit / 16 clr video.
4 / 16 grays	4 / 16 clrs		
8 / 256 grays	8 / 256 grays		
4 / 16 grays	4 / 16 clrs		
8 / 256 grays	8 / 256 clrs		The Performa 600 / Ilvx will not support 1 bit video on the Macintosh 12" RGB Display.
8 / 256 grays	8 / 256 clrs		
8 / 256 grays	8 / 256 clrs		
4 / 16 grays	4 / 16 clrs		
8 / 256 grays	8 / 256 clrs		The 4*58 Card can be upgraded to an 8*524 Card by adding two (2) VRAM SIMMs (Service PN 661-0609)
4 / 16 grays	4 / 16 clrs		
8 / 256 grays	8 / 256 clrs	Nx	
4 / 16 grays	4 / 16 clrs		
8 / 256 grays	8 / 256 clrs	NxNx	For the Centris 660AV/Quadra 840AV, pixel & viewable color numbers are for computer graphics only. When video is enabled, VRAM is split evenly between graphics& video.
4 / 16 grays	4 / 16 clrs		
8 / 256 grays	8 / 256 clrs		
4 / 16 grays	4 / 16 clrs		
8 / 256 grays	8 / 256 clrs		24 / 16.7M clrs = 32 bit video with 24 bits of color information plus an 8 bit alpha channel (used for other video information)
8 / 256 grays	8 / 256 clrs		
4 / 16 grays	4 / 16 clrs		
****			15 / 32.7K clrs = 16 bit video with 15 bits of color information plus a 1 bit alpha channel (used for other video information)

Viewable Colors/Grays

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