Macintosh Monitor and Video Matrix

30/3/93 ADS

Categories → / Monitor ↓	12" Mo	12" RG	Perform	13" RGB	Basic Color	Macintosh Color	16" Col	Portrait	21" Mo	21" Color
Finished Goods PN	M0298LL/A	M0297LL/	N/A	M0401LL/B	M9103X/A	M1198LL/A	M1044LL/A	M0404	M0402	M5812LL/A
Resolution (Pixels)	640 x 480	512 x 384	640 x 480	640 x 480	640 x 480	640 x 480	832 x 624	640 x 870	1152 x 870	1152 x 870
Power Frequency (Hz)	50 - 60	47 - 63	57 - 63	47 - 63	50 - 60	50 - 60	47 - 63	47 - 63	47 - 63	47 - 63
Vertical Refresh Rate	66.7 Hz	60.15 Hz	66.7 Hz	66.7 Hz	60 Hz	66.7 Hz	75 Hz	75 Hz	75 Hz	75 Hz
Horizontal Refresh Rate	35 KHz	24.48 KH	35 KHz	35 KHz	31.5 KHz	35 KHz	50 KHz	68.9 KHz	68.7 KHz	68.7 KHz
Dots Per Inch (DPI)	76	64	67	69	69	69	70	80	77	79
Bandwidth	30.24 MHz	5.67 MH	18 MHz	30.24 MHz		30.24 MHz	57.63 MHz	57.29 MHz	100 MHz	100 MHz
Dot Pitch (mm)	N/A	0.28	0.39	0.26	0.39	0.26	0.26	N/A	N/A	0.26 x 0.29
Quadra 950 1 MB VRAM	8	24	15	15	15	15	15	8	8	8
Quadra 950 2 MB VRAM	8	24	24	24	24	24	24	8	8	15
Quadra 800 512K VRAM	8	15	8	8	8	8	8	4	4	4
Quadra 800 1 MB VRAM	8	15	15	15	15	15	15	8	8	8
Quadra 700 512K VRAM	8	8	8	8	8	8	8	4	4	4
Q 700/900 1 MB VRAM	8	24	8	8	8	8	8	8	8	8
Q 700/900 2 MB VRAM	8	24	24	24	24	24	24	8	8	8
Centris 650 512K VRAM	8	15	8	8	8	8	8	4	4	4
Centris 650 1 MB VRAM	8	15	15	15	15	15	15	8	8	8
Centris 610 512K VRAM	8	15	8	8	8	8	8	4	4	4
Centris 610 1 MB VRAM	8	15	15	15	15	15	15	8	8	8
IIvi/IIvx 512K VRAM †	8	8	8	8	8	8				
IIvi/ IIvx 1 MB VRAM †	8	15	15	15	15	15				
IIci/IIsi On-Board Video	8	8	8	8	8	8		4		
LC III/Performa 450 512	8	15	8	8	8	8	8	4		
LC III/Performa 450 768	8	15	15	15	15	15	8	4		
LC/LC II/Performa 400	8	15	8	8	8	8				
LC/LC II 256K VRAM	4	8	4	4	4	4				
PwrBk 160/165c/180 Ext'	8	8	8	8	8	8	8	4		
DuoDock 512K VRAM	8	8	8	8	8	8	8	8		
DuoDock 1 MB VRAM	8	15	15	15	15	15	15	8		
Duo Mini Dock	8	8	8	8	8	8	8	8		
8•24 GC Display Card	8	24	24	24	24	24	**	8	8	8
8•24 Display Card	8	24	24	24	24	24	*	8	8	8
4•8 Display Card ††	8	8	8	8	8	8		4	4	4
Mac II Video Card	***		***	***	***	***				
Mac II Mono Video Card	1									
2-Page Mono Video Card									****	
Mac II Portrait Video Card								****		
Mac II HiRes Video Card	***		***	***	***	***				
Mac II Ext HiRes Video C	8		8	8	8	8				

Bits per Pix	Colors/Grays
1	2
8	256
15	32,700
24	16,700,000

15 = 16 bit video with 15 bits of color information plus a 1 bit alpha channel (used for other video information)

24 = 32 bit video with 24 bits of color information plus an 8 bit alpha channel (used for other video information)

* The 4•8 and 8•24 Display Cards require the Rev B ROM (Service PN 076-0548) to support the 16" monitor. The Rev B ROM supports the 4•8 and 8•24 cards at 8 bits.

** Rev A 8•24 GC cards require the Rev B ROM upgrade (Service PN 076-1019) to support the 16" monitor. The Rev B ROM & Rev A 8•24 Card support the 16" Monitor at 8 bit / 256 clrs. The Rev B 8•24 GC Card supports the 16" Monitor at 15 bits / 32.7K Clrs

*** 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.

**** 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.

† The IIvx doesn't support 1 bit video on the Macintosh 12" RGB Display.

†† The 4•8 Card can be upgraded to an 8•24 Card by adding two (2) VRAM SIMMs (Service PN 661-0609)