

Macintosh Monitor and Video Matrix

8/16/93

8 / 256 clrs

Categories	Monitor 12" Mon	12" RGB	Basic 14" Color	Performa 16" Color	Performa 16" Color	13" RGB	14" Color	AudioVision 14" Display	16" Color	Portrait 16" Color	21" Mon	21" Color	Bits per FViewable Colors/Grays	
Finished Goods P/N	0298LL	0297LL	019103LL	N/A	N/A	0401LL	01198LL	01247LL	01044LL	010404	010402	015812LL	* 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 4•8 and 8•24 cards at 8 bits.	
Resolution (Pixels)	640 X 480	640 X 384	640 X 480	640 X 480	640 X 480	640 X 480	640 X 480	640 X 480	32 X 624	440 X 87	52 X 87	152 X 87		
Power Frequency (Hz)	50 - 60	47 - 63	50 - 60	57 - 63	57 - 63	47 - 63	50 - 60	50 - 60	47 - 63	47 - 63	47 - 63	47 - 63		
Power Voltage (V)	90 - 270	100 - 120	100 - 125	98 - 132	98 - 132	100 - 240	100 - 240	100 - 240	90 - 270	90 - 270	85 - 270	85 - 270		
Vertical Refresh Rate	66.7 HZ	60.15 HZ	59.94 HZ	66.7 HZ	66.7 HZ	66.7 HZ	66.7 HZ	66.7 HZ	75 HZ	75 HZ	75 HZ	75 HZ		
Horizontal Refresh	35 KHZ	4.48 KHZ	31.5 KHZ	35 KHZ	35 KHZ	35 KHZ	35 KHZ	35 KHZ	50 KHZ	8.9 KHZ	8.7 KHZ	8.7 KHZ	** Rev A 8•24 GC cards require the Rev B ROM upgrade (Service PN 076-1019) to support 16" monitor. The Rev B ROM & Rev A 8•24 Card support the 16" Monitor at 8 bit / 256 c	
Dots Per Inch (DPI)	76	64	NA	67	67	69	69	69	70	80	77	79	The Rev B 8•24 GC Card supports the 16" Monitor at 15 bits / 32.7K Clrs	
Bandwidth	0.24 MHZ	5.67 MHZ	28 MHZ	18 MHZ	18 MHZ	0.24 MHZ	0.24 MHZ	0.24 MHZ	7.63 MHZ	.29 MHZ	00 MHZ	100 MHZ		
Dot Pitch (mm)	N/A	0.28	0.39	0.39	0.29	0.26	0.26	0.26	0.26	N/A	N/A	.26 X 0.29		
Quadra 950 1 MB	/ 256 gray	/ 16.7M c	/ 32.7K cl	/ 32.7K cl	/ 32.7K cl	/ 32.7K cl	/ 32.7K cl	/ 32.7K cl	/ 32.7K cl	/ 32.7K cl	/ 256 gray	/ 256 gray	/ 256 clrs	
Quadra 950 2 MB	/ 256 gray	/ 16.7M c	/ 16.7M cl	/ 16.7M cl	/ 16.7M cl	/ 16.7M c	/ 16.7M c	/ 16.7M c	/ 16.7M c	/ 16.7M c	/ 256 gray	/ 256 gray	/ 32.7K clrs	
Quadra 840AV 1	/ 256 gray	/ 32.7K cl	/ 16.7M cl	/ 32.7K cl	/ 32.7K cl	/ 16.7M c	/ 32.7K c	/ 32.7K c	/ 32.7K c	/ 32.7K c	/ 256 gray	/ 256 gray	/ 256 clrs	
Quadra 840AV 2	/ 256 gray	/ 16.7M c	/ 16.7M cl	/ 16.7M cl	/ 16.7M cl	/ 16.7M c	/ 16.7M c	/ 16.7M c	/ 16.7M c	/ 16.7M c	/ 256 gray	/ 256 gray	/ 32.7K c	
Quadra 800 512K	/ 256 gray	/ 32.7K c	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 16 gray	/ 16 gray	/ 16 clrs	
Quadra 800 1 MB	/ 256 gray	/ 32.7K c	/ 32.7K cl	/ 32.7K cl	/ 32.7K cl	/ 32.7K c	/ 32.7K c	/ 32.7K c	/ 32.7K c	/ 32.7K c	/ 256 gray	/ 256 gray	/ 256 clrs	
Quadra 700 512K	/ 256 gray	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 16 gray	/ 16 gray	/ 4 / 16 clrs	
Q 700/900 1 MB V	/ 256 gray	/ 16.7M c	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 gray	/ 256 gray	/ 256 clrs	
Q 700/900 2 MB V	/ 256 gray	/ 16.7M c	/ 16.7M cl	/ 16.7M cl	/ 16.7M cl	/ 16.7M c	/ 16.7M c	/ 16.7M c	/ 16.7M c	/ 16.7M c	/ 256 gray	/ 256 gray	/ 256 clrs	
Centris 660AV 1	/ 256 gray	/ 32.7K cl	/ 16.7M cl	/ 32.7K cl	/ 32.7K cl	/ 16.7M c	/ 32.7K c	/ 32.7K c	/ 32.7K c	/ 32.7K c	/ 256 gray	/ 256 gray	/ 256 clrs	
Centris 650 512K	/ 256 gray	/ 32.7K c	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 16 gray	/ 16 gray	/ 4 / 16 clrs	
Centris 650 1 MB	/ 256 gray	/ 32.7K c	/ 32.7K cl	/ 32.7K cl	/ 32.7K cl	/ 32.7K c	/ 32.7K c	/ 32.7K c	/ 32.7K c	/ 32.7K c	/ 256 gray	/ 256 gray	/ 256 clrs	
Centris 610 512K	/ 256 gray	/ 32.7K c	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 16 gray	/ 16 gray	/ 4 / 16 clrs	
Centris 610 1 MB	/ 256 gray	/ 32.7K c	/ 32.7K cl	/ 32.7K cl	/ 32.7K cl	/ 32.7K c	/ 32.7K c	/ 32.7K c	/ 32.7K c	/ 32.7K c	/ 256 gray	/ 256 gray	/ 256 clrs	
Perf 600/ IIvX 512	/ 256 gray	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs			+ The Performa 600 / IIvX will not support 1 bit video on the Macintosh 12" RGB Display.	
Perf 600/ IIvX 1 M	/ 256 gray	/ 32.7K c	/ 32.7K cl	/ 32.7K cl	/ 32.7K cl	/ 32.7K c	/ 32.7K c	/ 32.7K c	/ 32.7K c	/ 32.7K c				
IIcx/IIISr On-Board V	/ 256 gray	/ 256 clrs		/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	4 / 16 grays		†† The 4•8 Card can be upgraded to an 8•24 C by adding two (2) VRAM SIMMs (Service PN 661-0609)	
P 450/ LC III 512	/ 256 gray	/ 32.7K c	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 16 grays			
P 450/ LC III 768	/ 256 gray	/ 32.7K c	/ 32.7K cl	/ 32.7K cl	/ 32.7K cl	/ 32.7K c	/ 32.7K c	/ 32.7K c	/ 32.7K c	/ 32.7K c	/ 256 clrs	/ 16 grays		
LC/LC II 512K VR	/ 256 gray	/ 32.7K c	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs				
P 400/405/430 51	/ 256 gray	/ 32.7K c	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs			††† For the Centris 660AV/Quadra 840AV, pixel viewable color numbers are for computer graphics only. When video is enabled, VRA split evenly between graphics& video.	
LC/LC II 256K VR	/ 256 gray	/ 32.7K c	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs				
P 400/405/430 25	/ 256 gray	/ 32.7K c	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs				
PWRBK 160/165/C1	/ 256 gray	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 grays		
DuoDock 512K VR	/ 256 gray	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 grays		
DuoDock 1 MB VR	/ 256 gray	/ 32.7K c	/ 32.7K cl	/ 32.7K cl	/ 32.7K cl	/ 32.7K c	/ 32.7K c	/ 32.7K c	/ 32.7K c	/ 32.7K c	/ 256 clrs	/ 256 grays		
Duo Mini Dock	/ 256 gray	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 grays		
8•24 GC Display C	/ 256 gray	/ 16.7M clrs		24 / 16.7M c	24 / 16.7M cl	/ 16.7M c	/ 16.7M c	/ 16.7M c	/ 16.7M c	/ 16.7M c	**	/ 256 gray	/ 256 gray	/ 256 clrs
8•24 Display Card	/ 256 gray	/ 16.7M clrs		24 / 16.7M c	24 / 16.7M cl	/ 16.7M c	/ 16.7M c	/ 16.7M c	/ 16.7M c	/ 16.7M c	*	/ 256 gray	/ 256 gray	/ 256 clrs
4•8 Display Card	/ 256 gray	/ 256 clrs		/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	4 / 16 gray	/ 16 gray	/ 4 / 16 clrs	
Mac II Video Card	***			***	***	***	***	***						
Mac II Mono Video	1 / 2 grays													
2-Page Mono Video Card											****			
Mac II Portrait Video Card										****				
Mac II HiRes video	***			***	***	***	***	***						
Mac II EXT HiRes V	/ 256 grays			/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 256 clrs	/ 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)

15 / 32.7K clrs =16 bit video with 15 bits of color information plus a 1 bit alpha channel (used for other video information)

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