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Power Macintosh 9500 Series Video Card:Max. Color Depths (11/96)

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TOPIC -----

Some Power Macintosh 9500 series computers include an accelerated display card based on the mach64 graphics accelerator from ATI Technologies, Inc. Higher color depths can be obtained in high resolution modes by upgrading from 2 MB to 4 MB with a 2 MB VRAM upgrade module.

DISCUSSION -----

The following table defines the maximum color depths available for a given resolution and memory size.

Begin_Table

	Resolution	Max Colors 2 MB VRAM*	Max Colors 4 MB VRAM*
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12-in. Monochrome	640x480	256	256
12-in. RGB**	--	--	--
13-in. Color	640x480	Millions	Millions
15" Portrait monochrome	640x870	256	256
16-in. Color	832x624	Millions	Millions
Multiple Scan 15	640x480	Millions	Millions
	832x624	Millions	Millions
Multiple Scan 17	640x480	Millions	Millions
	832x624	Millions	Millions
	1024x768	Thousands	Millions
19-in. RGB	1024x768	Thousands	Millions
Two-Page Monochrome Monitor (21-in.Mono)	1152x870	256 grays	256 grays

21-in. Color	1152x870	Thousands	Millions
Multiple Scan 20	640x480	Millions	Millions
	832x624	Millions	Millions
	1024x768	Thousands	Millions
	1152x870	Thousands	Millions
	1280x1024	256	Thousands
VGA	640x480	Millions	Millions
SVGA	800x600	Millions	Millions
VESA Standard Modes	800x600	Millions	Millions
	1024x768 60Hz	Thousands	Millions
	1024x768 70Hz	Thousands	Millions
	1280x1024 60Hz	256	Thousands
	1280x1024 75Hz	256	Thousands

End_Table

*256 = image depth of 8 bits, thousands = image depth of 16 bits, millions = image depth of 32 bits.

**The Macintosh 12-in. RGB display cannot be used with the Power Macintosh 9500 series.

NOTE:

The "Technical Information: Specifications for Power Macintosh 9500 Series Computers" booklet that ships with the Power Macintosh 9500 contains some minor inaccuracies:

- The Macintosh 12-in. RGB display is incorrectly listed as compatible.
- The maximum color depth at 1280x1024 with 2 MB of VRAM is 256 colors.
- The maximum color depth at 1024x768 with 2 MB of VRAM is "Thousands."

IMPORTANT NOTE:

To order a VRAM memory module upgrade please call ATI Technologies, Inc. This upgrade is not available from Apple Computer, Inc. It is not supported or serviced by Apple Computer, Inc. At the time of this writing the 2 MB VRAM upgrade was ATI part number 100-31602-00. This information is subject to change. Please call the vendor for changes and details.

The Tech Info Library article titled "Locating Vendor Information" can help you search for a particular vendor's address and phone number.

Article Change History:

22 Nov 1996 - Updated title

12 Dec 1995 - Added information on Two-Page Monochrome Monitor.
01 Sep 1995 - Corrected information about 1080x1024 resolution. Added
section on booklet inaccuracies.

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