



# Tech Info Library

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

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Security: Everyone

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<br>2 MB VRAM* | Max Colors<br>4 MB VRAM* |
|----------------------------|------------|--------------------------|--------------------------|
|                            | -----      | -----                    | -----                    |
| 12-in. Monochrome          | 640x480    | 256                      | 256                      |
| 12-in. RGB**               | --         | --                       | --                       |
| 13-in. Color               | 640x480    | Millions                 | Millions                 |
| 15" Portrait<br>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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