

Radeon 9800 PRO Mac Edition Specifications

- 128MB DDR memory
- Dual Integrated 10-bit per channel 400MHz DACs
- Integrated 165MHz TMDS transmitter (DVI compliant and HDCP ready)
- Integrated TV-Out support up to 1024x768 resolution
- Multiple display connections
- DVI-I port
- VGA port
- S-Video port
- DVI-I to VGA & S-Video to Composite adapters included

System Requirements

- Mac OS X 10.2.5 or later
- AGP 4x or 2x capable Macintosh
- 128MB of system memory
- Installation software requires CD-ROM drive
- DVD playback requires DVD drive
- Power connection to the computer
RADEON 9800 PRO MAC EDITION requires connection to your computer's internal power supply for operation. ATI recommends a 300-Watt power supply or greater to ensure normal system operation where a number of other internal devices are installed.

Graphic Features

- Eight parallel rendering pipelines process over 3 billion pixels per second
- Four parallel geometry engines process up to 380 million transformed and lit polygons per second
- High precision 32-bit per channel rendering
- **SMARTSHADER 2.1** technology
 - Advanced programmable vertex and pixel shaders in hardware
 - 2.0 Vertex Shaders support vertex programs up to 65,280 instructions with flow control
 - 2.0 Pixel Shaders support up to 16 textures per rendering pass
 - 128-bit, 64-bit & 32-bit per pixel floating point color formats
 - Shadow volume rendering acceleration
 - High dimension floating point textures
- **SMOOTHVISION 2.1**
 - State-of-the-art full-scene anti-aliasing
 - New technology processes over 18 billion anti-aliasing samples per second for unprecedented performance
 - Supports up to 6x mode with programmable sample patterns
 - Advanced anisotropic filtering
 - Supports up to 16 trilinear filtered texture samples per pixel
 - Efficient adaptive algorithm enables this feature with minimal performance degradation
- **HYPER Z III+**
 - Hierarchical Z-Buffer and Early Z Test reduce overdraw by detecting and discarding hidden pixels
 - Lossless Z-Buffer Compression and Fast Z-Buffer Clear reduce memory bandwidth consumption by over 50%
 - Z Cache optimized for real-time shadow rendering

Video Features

- DVD AND QUICKTIME ACCELERATION:
Top quality DVD and all-format DTV/ HDTV decode with low CPU overhead
Seamless integration of programmable pixel shaders with video data
- ADVANCED DUAL DISPLAY SUPPORT
Drive two displays simultaneously with independent resolutions and refresh rates
VERSAVISION provides hardware accelerated display rotation and scaling

Warranty

- 3-year limited warranty

Analog monitor display modes *

Resolutions, and maximum refresh rates (Hz) in thousands and millions of color settings

Resolution	Hz
640 x480	200
720 xx 480	200
800 x 600	200
832 x 624	75
1024 x 768	200
1152 x 864	200
1152 x 870	75
1280 x 960	200
1280 x 1024	150
1600 x 900	150
1600 x 1024	150
1600 x 1200	120
1792 x 1344	75
1856 x 1392	75
1920 x 1080	120
1920 x 1200	100
1920 x 1440	90
2048 x 1152	100
2048 x 1280	100
2048 x 1536	85

* Actual available display modes are dependent upon monitor selection.

Maximum Digital display mode:

Hz	Monitor Resolution
----	-------------------------------

60	1920x1200
----	-----------