

RADEON™ 7000



Enhanced 3D & 2D graphics performance

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RADEON™ 7000 delivers enhanced 3D and 2D graphics performance for today's demanding applications. Powered by the RADEON™ 7000 graphics processor and with up to 64MB DDR memory, the RADEON™ 7000 features HYPER Z™ technology to increase effective memory bandwidth and PIXEL TAPESTRY® for fast image rendering. Plus, RADEON™ 7000 has industry leading, built-in DVD playback capability.

AT A GLANCE:

- Designed and built by ATI Technologies Inc.
- Advanced 3D/2D graphics acceleration
- Up to 64MB DDR memory
- 3D graphics resolutions up to 1920x1440
- AGP 2X/4X or PCI bus
- Industry leading DVD playback
- TV Out support (64MB version only)
- Microsoft WHQL certified driver for reliable performance
- Easy to install

EXCELLENT 3D QUALITY

- RADEON™ 7000, with powerful double data rate memory, delivers enhanced 3D and 2D performance
- HYPER Z™ technology increases effective memory bandwidth resulting in improved performance
- PIXEL TAPESTRY™, the RADEON™ 7000 rendering engine, powers 1.6 gigatexels/second for the incredible fill rates in 32-bit at high resolutions.
- RADEON™ 7000 supports DirectX® and OpenGL® allowing for superior graphics and 3D textures that add a more natural look to gaming environments

HIGH RESOLUTION 2D GRAPHICS

- 32-bit 2D resolutions up to 2048x1536
- Enjoy sharper, crisper images within 2D applications
- Maximize 2D viewing capabilities with RADEON™ 7000 - see more of the page on screen
- RADEON™ 7000 uses award-winning technology from ATI's successful graphics accelerators for consistent, stable performance

INDUSTRY LEADING DVD PLAYBACK

- RADEON™ 7000 features VIDEO IMMERSION™ technology for industry leading video playback
- Integrated motion compensation & iDCT enables multi-tasking during DVD playback - even on basic PCs
- Process full-frame rate, full-screen DVD or MPEG-2 video
- ATI's adaptive per pixel de-interlacing process gives the best possible DVD video quality by reducing feathering or blurring artifacts
- Built-in DVD playback saves the expense of buying a separate MPEG-2/DVD decoder card

ENJOY TV OUT WITH

RADEON™ 7000 64MB AGP

- Use video-out to connect your PC to TV or VCR for recording
- Show presentations or watch DVDs on a big screen TV



RADEON™7000

Specifications

- RADEON™ 7000 graphics processor
- 32MB or 64MB DDR memory
- Flicker free refresh rates up to 200Hz
- VESA DDC 1/2b/2b+ monitor support

System Requirements

- Intel® Pentium® 4/III/II, Celeron™, AMD™ K6®/Duron™/Athlon™/Athlon™ XP or compatible with PCI or AGP 2X (3.3V), AGP 4X (1.5V), or AGP 2X/4X universal slot
- Installation software requires CD-ROM drive
- DVD playback requires DVD drive on PCs with an Intel® Pentium® II processor (or equivalent) and 32MB of system memory

Operating Systems Support

- Windows® 98/SE
- Windows® Me
- Windows® 2000
- Windows® XP

Monitor Support

- CRT Monitor: 15 pin VGA connector

Available Configurations

- 32MB DDR AGP
VGA only output
VGA and TV/VCR output
(available in Europe)
- 32MB DDR PCI
VGA only
- 64MB DDR AGP
VGA and TV/VCR output
- 64MB DDR PCI
VGA only

Display Support

- Register compatible with VGA
- BIOS compatible with VESA for super VGA
- DDC1/2b/2b+ monitor support
- VESA Display Power Management Support
- Separate horizontal & vertical synchronization at TTL levels

3D Acceleration Features

- HYPER Z™ technology
- PIXEL TAPESTRY™ architecture
- VIDEO IMMERSION™ technology
- Twin Cache Architecture
- Single-Pass Multi-texturing (3 textures per clock cycle)
- True Color Rendering
- Triangle Setup Engine
- Texture Cache
- Bilinear/Trilinear Filtering
- Line & Edge Anti-aliasing
- Texture Decompression support under DirectX® (DXTC) and OpenGL®
- Specular Highlights
- Perspectively Correct Texture Mapping
- Mip-Mapping
- Z-buffering and Double-buffering
- Emboss, Dot Product 3 and Environment bump mapping
- Spherical, Dual-Paraboloid and Cubic environment mapping
- Full Screen Anti-Aliasing (FSAA)

Warranty

- 3-year limited warranty

2D Display Modes:

Resolutions, colors and maximum refresh rates (Hz) in 256, 65K or 16.7M colors

64MB & 32MB DDR

Monitor Resolution	Hz
640x480	200
800x600	200
1024x768	200
1152x864	160
1280x1024	120
1600x1200	100
1920x1080	90
1920x1200	90
1920x1440	75
2048x1536	60

Maximum 3D Resolutions

65K colors	1920x1440
16.7M colors	1920x1200

Maximum 3D resolution and colors supported with specified memory with double buffered setting 32-bit Z-buffer.



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