



RADEON™ 32MB

At A Glance:



- Powered by RADEON™ graphics processing unit (GPU)
- 32MB of single data rate (SDR) memory
- Featuring ATI's CHARISMA ENGINE™, PIXEL TAPESTRY™ and VIDEO IMMERSION™ technologies
- The most robust and integrated Transformation, Clipping and Lighting (T&L)
- Accelerates all of today's top 3D games
- Industry leading video playback
- TV/VCR-output support
- Supports 3D resolutions (32-bit color) up to 1920x1200
- AGP universal bus (for AGP 2X/4X systems) or PCI

Memory:

32MB

Designed for:
Mainstream
Graphics Upgrade
Market

Availability:

Retail
Multipack
Whitebox

Powered by ATI's RADEON™ GPU

- ATI's CHARISMA ENGINE™ supports full Transformation, Clipping and Lighting (T&L) at 30 million triangles/second peak processing capability for a 10-fold improvement in 3D details
- Features ATI's HYPER Z™ compression technology for improved performance
- 3D game characters are brought to life with cutting-edge character animation such as vertex skinning and key frame interpolation
- PIXEL TAPESTRY™, the RADEON™ 3D rendering engine, powers an incredible 1.5 Gigatexels per second for unsurpassed graphics performance

Powerful 3D Game Support

- Instant superior 3D game support right out of the box with full acceleration for today's hottest 3D games
- Full support of and compliance with powerful DirectX® and OpenGL® games and applications
- RADEON™ supports more features of DirectX® 8.0 than any other graphics board on the market

Industry Leading Video Playback

- Features ATI's VIDEO IMMERSION™ engine allowing for adaptive de-interlacing for best quality motion video and text
- Use TV-out to connect your PC to TV or VCR for recording
- Process full-frame rate, full-screen DVD or MPEG-2 video
- Hardware DVD saves the expense of buying a separate MPEG-2/DVD decoder card and motion compensation allows for DVD decoding with minimum CPU usage
- HDTV ready



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Specifications

System Requirements

- Pentium® II/III/Celeron®, AMD® K6/Athlon® or compatible with PCI, AGP 2X or AGP 2X/4X universal slot
- Installation software requires CD-ROM drive
- DVD playback requires DVD drive

Graphics Controller

- RADEON™ graphics processing unit (GPU)

Memory Configurations

- 32MB SDR (single data rate)

Operating Systems Support

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

Monitor Support

- CRT Monitor: 15 pin VGA connector
- TV and VCR: S-Video or composite connector

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

2D Display Modes: Resolutions, Colors and Maximum Refresh Rates (Hz) in 256, 65K, or 16.7M colors:

Monitor Resolution	Hz
640x480	200
800x600	200
1024x768	200
1152x864	200
1280x1024	160
1600x1200	120
1920x1440	85
2048x1536	75

Maximum 3D Resolutions

	32MB
65K colors	1920x1440
16.7M colors	1920x1200

Resolution and refresh rates are subject to change.

3D Acceleration Features

- CHARISMA ENGINE™ rendering engine
- HYPER Z™ technology
- PIXEL TAPESTRY™ architecture
- VIDEO IMMERSION™ technology
- Integrated Transformation, Clipping and Lighting
- Twin Cache Architecture
- Texture Cache
- Superscalar Rendering
- Single-Pass Multi-texturing
- True Color Rendering
- Triangle Setup Engine
- Bilinear/Trilinear Filtering
- Line & Edge Anti-aliasing
- Full screen Anti-aliasing
- Texture Compositing
- Texture Decompression
- Specular Highlights
- Perspective 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
- Fog effects, texture lighting, video textures, reflections, shadows, spotlights, LOD biasing and texture morphing

Warranty

- 5-year limited warranty

Available Configurations

Retail

32MB SDR PCI VO (video-out)

- all features including TV/VCR output support

Multipack

32MB SDR AGP

- all features except TV/VCR output support

32MB SDR AGP VO (video-out)

- all features including TV/VCR output support

32MB SDR PCI VO (video-out)

- all features including TV/VCR output support

Whitebox

32MB SDR AGP

- all features except TV/VCR output support

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Printed in Canada. 10/00 P/N 129-40207-00

