



XPERT 128™

128-BIT GRAPHICS AND DVD VIDEO ACCELERATION



Memory Configuration: 16MB



- ▶ POWERED BY ATI RAGE 128, A 128-BIT GRAPHICS ENGINE AND 128-BIT MEMORY INTERFACE
- ▶ 16MB OF POWERFUL MEMORY
- ▶ 32-BIT TRUE COLOR 3D GRAPHICS UP TO 1280x1024
- ▶ HARDWARE DVD FOR FULL-SCREEN, FULL-FRAME RATE MPEG-2/DVD PLAYBACK
- ▶ 2D GRAPHICS SUPPORT UP TO 1900x1200x32BPP @ 76 Hz
- ▶ FULL ACCELERATION OF DIRECT3D AND OpenGL FOR ALL YOUR FAVORITE GRAPHICS-INTENSIVE 3D GAMES AND APPLICATIONS
- ▶ SUPPORTS ATI-TV WONDER, THE ADD-ON TV TUNER CARD
- ▶ FEATURES ATI MULTIMEDIA CENTER SOFTWARE
- ▶ AVAILABLE IN AGP 2X AND PCI VERSIONS



128-BIT 3D Graphics Performance

- ATI RAGE 128 GL 128-bit graphics technology
- Maximum 3D resolution: 1600x1200
- 32-bit true color (16.7 million colors) 3D graphics up to 1280x1024
- Advanced 3D features including triangle setup engine, ATI's Superscalar Rendering technology, twin cache architecture, complete alpha blending, video textures, texture lighting and single-pass multi-texturing

Full Acceleration of OpenGL and Direct3D

- Full acceleration of, and compliance with, powerful and demanding Direct3D and OpenGL applications
- Experience cool effects like Z-based fog for incredible realism with advanced 3D architecture
- Ideally matched with DirectX, supporting new DirectX features such as multi-texturing, stencil planes and bump mapping



Hardware DVD Video Playback

- Built-in hardware DVD technology saves you the hassle and expense of buying a separate MPEG-2/DVD decoder card
- Process full-frame rate, full-screen MPEG-2 or DVD video
- Experience incredible video playback on your PC and free up a valuable slot in your computer

Supports ATI-TV WONDER

- Get TV on your PC by adding on ATI-TV WONDER
- ATI-TV WONDER lets you zoom in on the action, capture video from your TV or even watch TV for you unattended



Brilliant 2D Graphics

- 32-bit true color 2D graphics support up to 1920x1200 @ 76Hz
- Full support of Windows 95, Windows 98 and Windows NT 4.0

Features ATI Multimedia Center Software

- Combines all multimedia needs in one central, easy-to-use application
- Through one common interface, watch DVD, TV (requires ATI-TV WONDER), perform basic video editing functions, listen to audio CDs and play MPEG-1/MPEG-2 files



Visit ati.com for the latest performance numbers and competitive comparisons.

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Specifications

System Requirements

- AGP version: Pentium III/II, Celeron or compatible system with AGP 2X bus (AGP 1.0 compliant)
- PCI version: Pentium III/II, Celeron or compatible system with PCI bus (PCI local bus 2.1 compliant)
- Software requires CD-ROM drive
- DVD requires DVD drive (supported under Windows 98/95b only)

Graphics Controller

- ATI RAGE 128 GL, a high performance 128-bit graphics accelerator with superior 2D, 3D, and video acceleration

Operating Systems Support

- Windows 98
- Windows 95
- Windows NT 4.0

Monitor Support

- CRT Monitor: 15 pin VGA connector

Video Input Port (VIP) AGP version only

- VIP 1.1
- Ready for VIP compatible side port products

Display Support

- Register compatible with VGA
- BIOS compatible with VESA for super VGA
- DDC1/2b/2b+ monitor support
- VESA Display Power Management support
- Separate horiz & vert sync at TTL levels

Memory Configuration

- 16MB

3D Acceleration Features

- OpenGL ICD for NT 4.0 & Windows 98/95
- DirectX, Direct3D, DirectDraw
- Triangle Setup Engine
- Texture Cache
- Bilinear/Trilinear Filtering
- Line & Edge Anti-aliasing
- Texture Compositing
- Texture Decompression
- Specular Highlights
- Perspective Correct Texture Mapping
- Mip-Mapping
- Z-buffering and Double-buffering
- Fog effects, texture lighting, video textures, reflections, shadows, spotlights, LOD biasing and texture morphing

Warranty

- 5-year limited warranty

2D Display Modes: Resolutions, Colors and Maximum Refresh Rates (Hz)

	640x480	800x600	1024x768	1152x864	1280x1024	1600x1200	1920x1200
256 colors	200	200	180	160	125	85	76
65K colors	200	200	180	160	125	85	76
16.7M colors (32bpp)	200	200	180	160	125	85	76

Maximum 3D Resolutions (Hz)

	16MB
65K colors	1600x1200
16.7M colors (32bpp)	1280x1024

Maximum 3D resolution and colors supported using double buffered setting and z-buffer

HEAD OFFICE

ATI TECHNOLOGIES INC.
33 Commerce Valley Drive East
Thornhill, Ontario, Canada L3T 7N6
Telephone: (905) 882-2600 (press #4)
Facsimile: (905) 882-2620
www.ati.com

ATI TECHNOLOGIES SYSTEMS CORP.

2805 Bowers Avenue
Santa Clara, CA 95051-0917
Telephone: (408) 845-6500
Facsimile: (408) 845-6301

ATI TECHNOLOGIES (EUROPE) GMBH

Keltnering 13
D-82041 Oberhaching, Germany
Telephone: +49 89 665 15 -0
Facsimile: +49 89 665 15 -300

ATI TECHNOLOGIES (JAPAN) INC.

Pinex Kojimachi Bldg 3F
4-4-3 Kojimachi, Chiyoda-Ku
Tokyo 102, Japan
Telephone: +81 35275-2241
Facsimile: +81 35275-2242

OFFICIAL ATI REP. AMI TECHNOLOGIES CORP.

8F, 148, Sec. 1, Hsin Sheng S. Rd.
Taipei, Taiwan, R.O.C.
Telephone: 886-2-396-7711
Facsimile: 886-2-351-3030

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