

CARDEXpert VANTA

Your Graphics Advantage

Based on the NVIDIA Vanta TwiN-Texel 32-bit 2D/3D Graphics Engine

- 66 MHz AGP clock rate and AGP 4X/2X mode
- 250 MHz Palette-DAC Supports up to 1600x1200 @ 85Hz
- 64-bit Wide Frame Buffer Interface Supports up to 16 MB SDRAM
- DVD Sub-Picture Alpha-Blended Compositing
- LCD Resolution up to 1280x1024 and Color Depths up to 16 Million
- Video Acceleration for DirectShow MPEG-1, MPEG-2 and Indeo

Features

- NVIDIA Vanta TwiN-Texel 32-bit Graphics Engine.
 - 2 Texture-mapped, Lit Pixels per Clock
 - Single Pass Multi-Texture Rendering
- 24-bit or 16-bit Z-buffer, 8-bit Stencil Buffer
- High Performance 128-bit 2D/GUI/DirectDraw Acceleration
- 64-bit Wide Frame Buffer Interface Supports up to 16 MB SDRAM
- 250 MHz Palette-DAC Supports up to 1600x1200 @ 85Hz
- Variable Length Burst DMA Bus Mastering for Data transfers over 900 MB/s Throughput
- 66 MHz AGP clock rate and AGP 4X/2X mode
- Optimized for Katmai New Instructions and 3Dnow!
- TextureBlend Supports Multi-texturing, Bump-mapping, Texture-modulation, Light Maps, Reflection Maps, Detail Textures, Environmental Maps, Procedural Textures
 - 32-bit ARGB Rendering with Destination Alpha
 - Point Sampled, Bilinear, Trilinear and 8-tap Anisotropic Filtering
- Per Pixel Perspective Correct Texture Mapping
 - Fog, Light, and Mip Mapping
- Wide Cache RAM and 256-bit Data path.
- 64-bit Graphics with over 1GB/s Throughput.
- Minimal Software Overhead on Key GDI Calls and DirectDraw
- Optimized Direct Frame Buffer (DFB) Access with Write-combining
- Palette-DAC Pipeline Accelerates Full-Motion Video Playback, Sustaining Fast Frame Rates with High Quality Color Resolution
- True Bilinear Filtering for Scaled Video, and Compensation for Filtering Losses with Edge Enhancement Algorithms.
- Back-end Hardware Video Scaling for Video Conferencing and Playback
- Multiple Video Windows with Hardware Color Space Conversion and Filtering
- DVD Sub-Picture Alpha-Blended Compositing
- Video Acceleration for DirectShow MPEG-1, MPEG-2 and Indeo
- Supports the PanelLink Digital Interface for LCD monitor
- LCD Support for VGA, SVGA, XGA, SXGA 18/24 TFT Color Monitors
- LCD Resolution up to 1280x1024 and Color Depths up to 16 Million
- VESA EDID Support for LCD Type Auto-Detect

DRIVER SUPPORT

- Microsoft Windows 98/95/NT4.0
- Microsoft Windows 2000(Option)
- DirectX
- OpenGL ICD

REFRESH RATE TABLE

	8/16MB		
	256 color	64K color	16.7M color
640x480	240Hz	240Hz	240Hz

800x600	240Hz	240Hz	240Hz	240Hz
1024x768	200Hz	200Hz	200Hz	200Hz
1280x1024	120Hz	120Hz	120Hz	120Hz
1600x1200	85Hz	85Hz	85Hz	85Hz