

LS3440 PCI Express Graphics Card

CHIPSET

- S3 Graphics Chrome® 440 GTX
- Core clock
 - 800MHz

MEMORY

- Memory type
 - GDDR3 512Mbit 16Mx32
- Memory bus width
 - 64-bit
- Maximum memory
 - Dual rank 16Mx32 256MB
- Memory clock
 - 800MHz

DRIVERS SUPPORTED

- Windows Vista
 - All versions including 64-bit, Premium
- Windows XP
- Windows 7
 - All versions including 64-bit

DISPLAY CONNECTION CAPABILITY

- Dual DVI-I ports

PCB DIMENSIONS

- 144.7 x105 mm

FEATURES

- H.264 Hardware Acceleration
 - H.264/AVC - MPEG-4 Advanced Video Coding (AVC) hardware acceleration
 - High profile level 4.1 for HD Premium video content
- VC1 Hardware Acceleration
 - VC1 hardware acceleration based on SMPTE 421M and its derivative standards
 - Advanced Profile at Level 3 for HD Premium video content
- MPEG-2 Hardware Acceleration
 - Bitstream parser and slice level decoder
 - Inverse quantization
 - 8x8 Inverse Discrete transform conforming to IEEE standard specification
 - Motion compensation
- ChromotionHD 2.0 Programmable Video Engine
 - H.264, MPEG-2 HD, WMV9-HD, DivX, and VC1 acceleration
 - Supports Protected Video Playback
 - DirectX-VA 2.0 compatible
 - Per pixel motion adaptive de-interlacing, noise removal, cadence detection and correction
 - Gamma correction and white/black point enhancement
 - 4x4 programmable kernel filter video scaling
 - Microsoft Video Mixing Renderer (VMR 7,9)
 - ArtisticLicense™ real-time video effects: De-Blocking, Sharpening, Embossing, Neon-Edges, & Softening
- DX10.1 Unified Shader Architecture - Shader Model 4.1
- PCI Express 2.0 compliant
 - 5Gb/s Gen 2 technology
 - Dynamic lane (x16/x8/x4/x1) switching supported for flexible speed configuration and power management
- Advanced Display Features
 - Independent hot-plug detection for both DVI displays
 - Integrated 2x single/dual-link DVI up to 2560x1600
 - Integrated dual 10-bit CRT outputs up to 2048x1536@75Hz
- Power Management Features
 - PowerWise Architecture with aggressive dynamic system and sub-system power minimization

