

Detailed Features Listing

AMD Radeon™ HD 8350 GPU Feature Summary (OEM)

- 292 million 40nm transistors
- TeraScale 2 Unified Processing Architecture
 - 80 Stream Processing Units
 - 8 Texture Units
 - 16 Z/Stencil ROP Units
 - 4 Color ROP Units
- DDR3/DDR2 memory interface
- PCI Express 2.1 x16 bus interface
- DirectX® 11 support
 - Shader Model 5.0
 - DirectCompute 11
 - Programmable hardware tessellation unit
 - Accelerated multi-threading
 - HDR texture compression
 - Order-independent transparency
- OpenGL 3.2 support
- Image quality enhancement technology
 - Up to 12x multi-sample and super-sample anti-aliasing modes
 - Adaptive anti-aliasing
 - 16x angle independent anisotropic texture filtering
 - 128-bit floating point HDR rendering
- AMD Eyefinity multi-display technology¹
 - Three independent display controllers
 - Drive up to three displays simultaneously with independent resolutions, refresh rates, color controls, and video overlays
 - Display grouping
 - Combine multiple displays to behave like a single large display
- AMD App Acceleration²
 - OpenCL Support
 - DirectCompute 11
 - Accelerated video encoding, transcoding, and upscaling
 - Native support for common video encoding instructions
 - AMD HD Media Accelerator
 - H.264
 - VC-1
 - MPEG-2
 - Adobe Flash
 - Enhanced Video Quality features
 - Dual-stream (HD+SD) playback support
 - UVD 2 dedicated video playback accelerator
 - Advanced post-processing and scaling
 - Dynamic contrast enhancement and color correction
 - Brighter whites processing (blue stretch)
 - Independent video gamma control
 - Dynamic video range control
 - DXVA 1.0 & 2.0 support
 - Integrated dual-link DVI output with HDCP

- Max resolution: 2560x1600
- Integrated DisplayPort output
 - Max resolution: 2560x1600
- Integrated HDMI (with 3D, Deep Color, x.v.Color)
 - Max resolution: 1920x1200
- Integrated VGA output
 - Max resolution: 2048x1536
- AMD HD3D Technology – 3D stereoscopic display/glasses support³
- Integrated HD audio controller
 - Output protected high bit rate 7.1 channel surround sound over HDMI with no additional cables required
 - Supports AC-3, AAC, Dolby TrueHD and DTS Master Audio formats
- AMD PowerPlay™ power management technology⁴
- Dynamic power management with low power idle state
- Certified drivers for Windows 7, Windows Vista, and Windows XP

Speeds & Feeds

- Engine clock speed: From 400Mhz to 650Mhz
- Processing power (single precision): 104 GigaFLOPS
- Polygon throughput: From 400M to 650M polygons/sec
- Data fetch rate (32-bit): 12.8 Billion to 20.8 billion fetches/sec
- Texel fill rate (bilinear filtered): 3.2 Gigatexels - 5.2 Gigatexels/sec
- Pixel fill rate: 1.6 Gigapixels - 2.6 Gigapixels/sec
- Anti-aliased pixel fill rate: 10.4 Gigasamples/sec
- Memory clock speed: 400 MHz DDR2 and up to 800 MHz DDR3
- Memory data rate: 0.8 Gbps DDR2 and up to 1.6 Gbps DDR3
- Memory bandwidth: 6.4 GB/sec (DDR2) and up to 12.8 GB/sec (DDR3)
- Typical power: 19.1Watts

Additional Information

Additional hardware (e.g. Blu-ray drive, HD or 10-bit monitor, TV tuner) and/or software (e.g. multimedia applications) are required for the full enablement of some features. Not all features may be supported on all components or systems - check with your component or system manufacturer for specific model capabilities and supported technologies.

- 1** AMD Eyefinity technology supports up to six DisplayPort™ monitors on an enabled graphics card. Supported display quantity, type and resolution vary by model and board design; confirm specifications with manufacturer before purchase. To enable more than two displays, or multiple displays from a single output, additional hardware such as DisplayPort-ready monitors or DisplayPort 1.2 MST-enabled hubs may be required. Maximum two active adapters supported. See www.amd.com/eyefinityfaq for full details.
- 2** AMD App Acceleration is a set of technologies designed to improve video quality and enhance application performance. Full enablement of some features requires support for OpenCL™, DirectCompute or DirectX® Video Acceleration (DXVA) (including AMD's Universal Video Decoder (UVD)). Not all products have all features and full enablement of some capabilities and may require complementary products.
- 3** AMD HD3D is a technology designed to enable stereoscopic 3D support in games, movies and/or photos. Requires 3D stereo drivers, glasses, and display. Not all features may be supported on all components or systems – check with your component or system manufacturer for specific model capabilities and supported technologies. A list of supported stereoscopic 3D hardware is available at <http://www.amd.com/HD3D>.
- 4** AMD PowerPlay and other AMD power management technologies are a family of technologies offered with certain AMD Radeon™ graphics products, which are designed to intelligently manage GPU power consumption in response to certain GPU load conditions. Not all products feature all technologies—check with your component or system manufacturer for specific model capabilities.

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