

## AMD Radeon™ HD 7570 GPU Features Summary

- 650 MHz engine clock
- 512MB-2GB DDR3 or 512MB-1GB GDDR5 memory
- 900 MHz (DDR3) or 1000 MHz (GDDR5) memory clock (1.8 Gbps DDR3 or 4.0 Gbps GDDR5)
- 28.8 GB/s (DDR3) or 64 GB/s (GDDR5) memory bandwidth
- 624 GFLOPS Single Precision compute power
- TeraScale 2 Unified Processing Architecture
  - 480 Stream Processing Units
  - 24 Texture Units
  - 32 Z/Stencil ROP Units
  - 8 Color ROP Units
- 128-bit DDR3/GDDR5 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 4.1 support
- Image quality enhancement technology
  - Up to 24x multi-sample and super-sample anti-aliasing modes
  - Adaptive anti-aliasing
  - Morphological anti-aliasing (MLAA)
  - 16x angle independent anisotropic texture filtering
  - 128-bit floating point HDR rendering
- AMD Eyefinity multi-display technology<sup>2</sup>
  - Native support for up to 4 simultaneous displays
  - Independent resolutions, refresh rates, color controls, and video overlays
  - Display grouping
    - Combine multiple displays to behave like a single large display
- AMD App Acceleration<sup>1</sup>
  - OpenCL 1.1
  - DirectCompute 11
  - Accelerated video encoding, transcoding, and upscaling<sup>1</sup>
- AMD HD Media Accelerator
  - MPEG-4 AVC/H.264
  - VC-1
  - MPEG-2 (SD & HD)
  - Multi-View Codec (MVC)
  - MPEG-4 part 2 (DivX, xVid)
  - Adobe Flash
- Enhanced video quality features
  - Advanced post-processing and scaling
    - Dynamic contrast enhancement and color correction

- Brighter whites processing (blue stretch)
- Advanced color correction
  - Brighter whites processing (Blue Stretch)
  - Independent video gamma control
  - Dynamic video range control
- Dual-stream HD (1080p) playback support
- DXVA 1.0 & 2.0 support
- AMD HD3D technology<sup>3</sup>
  - Stereoscopic 3D display/glasses support
  - Blu-ray 3D support
  - Stereoscopic 3D gaming
  - 3rd party Stereoscopic 3D middleware software support
- AMD CrossFire™ multi-GPU technology<sup>5</sup>
  - Dual GPU scaling
- Cutting-edge integrated display support
  - DisplayPort 1.2
    - Max resolution: 3840x2400
    - Multi-Stream Transport
    - 21.6 Gbps bandwidth
    - High bit-rate audio
  - HDMI 1.4a with Stereoscopic 3D Frame Packing Format, Deep Color, xvYCC wide gamut support,
    - Max resolution: 1920x1200
  - Dual-link DVI with HDCP
    - Max resolution: 2560x1600
  - VGA
    - Max resolution: 2048x1536
- Integrated HD audio controller
  - Output protected high bit rate 7.1 channel surround sound over HDMI or DisplayPort with no
  - Supports AC-3, AAC, Dolby TrueHD and DTS Master Audio formats
- AMD PowerPlay™ power management technology<sup>4</sup>
  - Dynamic power management with low power idle state
- AMD Catalyst™ software and HD video configuration software
  - Unified graphics display drivers
    - Certified for Windows 7, Windows Vista, and Windows XP
  - AMD Catalyst™ Control Center

Software application and user interface for setup, configuration, and accessing special features of AMD Radeon products