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## ATI Radeon HD4350, 1024MB DDR2, PCI-E

Hersteller: PowerColor

Herstellerbez.: AX4350 IGBD2-H

Verpackung: Retail

Teilenummer: 25170044

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**Part Number:** AX4350 IGBD2-H

**Graphics Engine:** RADEON HD4350

**Video Memory:** 1GB DDR2

**Engine Clock:** 600MHz

**Memory Interface:** 64bit

**DirectX® Support:** 10.1

**Bus Standard:** PCIE 2.0

**Feature Support:**

**OpenGL:** Support

**ATI Stream Technology:** Support

**Maximum Resolution:**

**DVI:** 2560x1600

**HDMI:** 1920x1200

**Power Specs:**

**Minimum System Power requirement:** 300W



- Dynamic Geometry Acceleration
  - High performance vertex cache
  - Programmable tessellation unit
  - Accelerated geometry shaderpath for geometry amplification
  - Memory read/write cache for improved stream output performance
- Anti-aliasing features
  - Multi-sample anti-aliasing (2, 4, or 8 samples per pixel)
  - Up to 24x Custom Filter Anti-Aliasing (CFAA) for improved quality
  - Adaptive super-sampling and multi-sampling
  - Gamma correct
  - Super AA (ATI CrossFireX™ configurations only)
  - All anti-aliasing features compatible with HDR renderin
- Texture filtering features
  - 2x/4x/8x/16x high quality adaptive anisotropic filtering modes (up to 128 taps per pixel)
  - 128-bit floating point HDR texture filtering
  - sRGB filtering (gamma/degamma)
  - Percentage Closer Filtering (PCF)
  - Depth & stencil texture (DST) format support
  - Shared exponent HDR (RGBE 9:9:9:5) texture format support
- OpenGL 2.0 support
- ATI Avivo™ HD Video and Display Platform<sup>1</sup>
  - 2nd generation Unified Video Decoder (UVD 2)
    - Enabling hardware decode acceleration of H.264, VC-1 and MPEG-2
    - Dual stream playback (or Picture-in-picture)
  - Hardware MPEG-1, and DivXvideo decode acceleration
    - Motion compensation and IDC
  - ATI AvivoVideo Post Processor<sup>1</sup>
    - Enhanced DVD up-conversion to HD
    - Color space conversion
    - Chroma subsampling format conversion
    - Horizontal and vertical scaling
    - Gamma correction
    - Advanced vector adaptive per-pixel de-interlacing
    - De-blocking and noise reduction filtering
    - Detail enhancement
    - Inverse telecine(2:2 and 3:2 pull-down correction)
    - Bad edit correction
    - Automatic dynamic contrast adjustment
    - Full score in HQV (SD) and HQV (HD) video quality benchmarks
- One independent display controllers
  - Drive two displays simultaneously with independent resolutions, refresh rates, color controls and video overlays for each display
  - Full 30-bit display processing
  - Programmable piecewise linear gamma correction, color correction, and color space conversion
  - Spatial/temporal dithering provides 30-bit color quality on 24-bit and 18-bit displays
  - High quality pre- and post-scaling engines, with underscan support for all display outputs
  - Content-adaptive de-flicker filtering for interlaced displays
  - Fast, glitch-free mode switching
  - Hardware cursor



- Two independent display controllers
  - Drive two displays simultaneously with independent resolutions, refresh rates, color controls and video overlays for each display
  - Full 30-bit display processing
  - Programmable piecewise linear gamma correction, color correction, and color space conversion
  - Spatial/temporal dithering provides 30-bit color quality on 24-bit and 18-bit displays
  - High quality pre-and post-scaling engines, with underscan support for all display outputs
  - Content-adaptive de-flicker filtering for interlaced displays
  - Fast, glitch-free mode switching
  - Hardware cursor
- Two integrated DVI display outputs
  - Primary supports 18-, 24-, and 30-bit digital displays at all resolutions up to 1920x1200 (single-link DVI) or 2560x1600 (dual-link DVI) <sup>2</sup>
  - Secondary supports 18-, 24-, and 30-bit digital displays at all resolutions up to 1920x1200 (single-link DVI only) <sup>2</sup>
  - Each includes a dual-link HDCP encoder with on-chip key storage for high resolution playback of protected content <sup>3</sup>
- Two integrated 400MHz 30-bit RAMDACs
  - Each supports analog displays connected by VGA at all resolutions up to 2048x1536 <sup>1</sup>
- DisplayPort™ output support
  - Supports 24- and 30-bit displays at all resolutions up to 2560x1600 <sup>2</sup>
  - Integrated HD audio controller with up to 2 channel 48 kHz stereo or multi-channel (7.1) AC3 enabling a plug-and-play cable-less audio solution <sup>4</sup>
- HDMI output support
  - Supports all display resolutions up to 1920x1080 <sup>2</sup>
  - Integrated HD audio controller with up to 2 channel 48 kHz stereo or multi-channel (7.1) AC3 enabling a plug-and-play cable-less audio solution <sup>4</sup>
- Integrated AMD Xilleon™ HDTV encoder
  - Provides high quality analog TV output (component/S-video/composite)
  - Supports SDTV and HDTV resolutions
  - Underscan and overscan compensation
- Seamless integration of pixel shaders with video in real time
- VGA mode support on all display outputs
- ATI PowerPlay™ Technology <sup>5</sup>
  - Advanced power management technology for optimal performance and power savings
  - Performance-on-Demand
    - Constantly monitors GPU activity, dynamically adjusting clocks and voltage based on user scenario
    - Clock and memory speed throttling
    - Voltage switching
    - Dynamic clock gating
    - Central thermal management 每 on-chip sensor monitors GPU temperature and triggers thermal actions as required
- ATI CrossFireX™ Multi-GPU Technology
  - Scale up rendering performance and image quality with two, three, or four GPUs
  - Integrated compositing engine
  - High performance dual channel bridge interconnect <sup>1</sup>