



<b>SKU</b>	AIW5000	
<b>PRODUCT</b>	AIW5000	
<b>PRODUCT SHORT DESCRIPTION</b>	<b>INTERFACE</b>	PCI Express X16 (Graphic Card) and PCI Express X1 (Tuner Card)
	<b>GPU</b>	5570
	<b>CORE CLOCK</b>	650 MHz
	<b>MEMORY CLOCK</b>	1600 MHz
	<b>MEMORY CONFIGURATION</b>	64M x 16
	<b>MEMORY TYPE</b>	GDDR3
	<b>MEMORY BANDWIDTH</b>	25.6GB/sec
	<b>MEMORY SIZE</b>	1024MB
	<b>MEMORY CONTROLLER INTERFACE</b>	128 bit
	<b>PORTS</b>	Dual-Link DVI,HDMI,VGA
	<b>DUAL LINK DVI</b>	NA

**PRODUCT DETAILED DESCRIPTION**

- 627 million 40nm transistors
- TeraScale 2 Unified Processing Architecture
  
- 400 Stream Processing Units
- 20 Texture Units
- 32 Z/Stencil ROP Units
- 8 Color ROP Units
  
- GDDR3 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 24x multi-sample and super-sample anti-aliasing modes
- Adaptive anti-aliasing
- 16x angle independent anisotropic texture filtering
- 128-bit floating point HDR rendering
- ATI Stream acceleration technology
- OpenCL Support
- DirectCompute 11
- Accelerated video encoding, transcoding, and upscaling
- ATI CrossFire™ multi-GPU technology
- Dual GPU scaling
- ATI Avivo™ HD Video & Display technology
- 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
- Support for H.264, VC-1, MPEG-2, and Adobe Flash
- Dual-stream 1080p playback support 10,11
- DXVA 1.0 & 2.0 support
- Integrated dual-link DVI output with HDCP
- Max resolution: 2560x1600
- Integrated HDMI 1.3 output with Deep Color, xvYCC wide gamut support, and high bit-rate audio Max resolution: 1920x1200
- Integrated VGA output
- Max resolution: 2048x1536
- 3D stereoscopic display/glasses support
- 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
- ATI PowerPlay™ power management technology
- Dynamic power management with low power idle state
- Ultra-low power state support for multi-GPU configurations
- Certified drivers for Windows 7, Windows Vista, and Windows XP

**PRODUCT FEATURES**

- The AIW5000 supports worldwide broadcast signals with a feature-rich tuner providing the ability to receive analog (NTSC), digital/HDTV (ATSC) and unencrypted digital cable (ClearQAM) signals with time shifting functionality as well as FM radio stations.
- Watch, pause and record live TV so you can watch your favorite TV programming when it's convenient for you.
- Enjoy the latest Blu-ray movies and other HD content with a dedicated hardware video decoder.
- Capture and convert your home videos, recorded TV shows, and movies into popular video formats such as H.264, AVI, MPEG, DivX, WMV, MPEG4 and more. Take your recordings with you on your portable media device and watch them anywhere you go. Edit your home videos and burn your own DVDs to create your own video library preserving your most precious memories.

**SYSTEM REQUIREMENT**

EXTERNAL POWER REQUIREMENT	
CPU	Pentium Intel Duo, AMD X64 or higher
CPU SPEED	2.4 GHz or higher CPU
MEMORY	1024MB
HARD DISK	480MB available hard disk space
SYSTEM BUS	PCI Express x16 plus one PCI Express x1
SLOT	DOUBLE
CHASSIS	ATX
MONITOR	Digital flat-panel (DFP) displays or DVI-I Compatible or digital CRT display or High-resolution VGA monitor
INTERNET ACCESS	NO
USB	NO
CD DVD	YES
POWER SUPPLY	400 Watt

**OPERATING SYSTEM**

WINDOWS-7-32 WINDOWS-7-64 WINXP WINXP64 WINVISTA32 WINVISTA64 MCE

**FORM FACTOR**

Standard Profile Full-Height

**DIMENSIONS**

[PRODUCT] : 6.8 x 4.4 x .6 (video) 3.5 x 2.7 x 0.7 (tuner) inc [RETAIL BOX] : (H) 9.4 x (W) x 6.3 (D) 4.25 inches [S BUILDER] :

**WEIGHT**

[PRODUCT WEIGHT] : .50 Lbs (video) .10 [PRODUCT WITH CONTENT WEIGHT] : 3.5 lbs

**UPC**

RETAIL PACKAGE UPC : 757448010794

**PACKAGE CONTENT**

- AIW5000 (COMBO PACK 5550PE31G AND TVW750PCIE
- INSTALL CD
- QUICK START GUIDE
- TV WONDER AUDIO-VIDEO CABLE
- REMOTE CONTROL WITH RECIEVER

**PRODUCT WEBPAGE**<http://www.diamondmm.com/AIW5000.php>

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