

### Overview

### Models

AMD Radeon HD 6350 DH PCIe x16 Graphics Card

QK638AA

### Introduction

The AMD Radeon HD 6350 DH PCIe x16 Graphics Cards provide a low profile, PCI Express x16 graphics add-in card solution based on the AMD Radeon™ HD 6350 GPU. These cards support Dual Display video output through its DMS-59 connector.

An ideal solution for desktop PC customers seeking stable 2D and advanced 3D graphics performance, the AMD Radeon HD 6350 DH PCIe x16 Graphics Cards are an excellent choice for small business users engaging in Web conferencing or video or photo editing, while improving your everyday business PC experience with better graphics and excellent visual display quality.

The AMD Radeon HD 6350 DH PCIe x16 Graphics Cards deliver superior PCI Express (PCIe) features including:

- Unprecedented flexibility for new applications and enhanced performance
- Full 16 lane PCIe bus support with peak bandwidth support

**NOTE:** Graphics cards use part of the total system memory (RAM) for graphics performance. System memory dedicated to graphics performance is not available for other use by other programs.

### Key Benefits

- 512 MB of DDR3 dedicated on-board graphics frame buffer memory removing the need to share PC system memory
- AMD Radeon™ HD 6350 GPU
- Conforms to full PCI Express 2.0A specification for low profile form factor (x16 lanes native PCI Express implementation)
- Provides Dual VGA (via DMS-59 connector: DVI kit optional: part number DL139A) output port
- HDCP supported on DVI outputs ( DVI Requires optional kit DL139A)
- DirectX 11 support in hardware for optimal performance in DX11 applications.
- AMD Avivo technology for improved image and video playback.
- OpenGL 4.0 support in hardware for optimal performance with OpenGL applications

#### AMD Radeon HD 6350 (512MB) DH PCIe x16 Card

Memory  
512 MB DDR3 64 bit

Peak theoretical memory bandwidth  
12.8 GB/s

### Compatibility

HP Compaq 4000 Pro SFF, HP Compaq 6200 Pro MT, HP Compaq 6200 Pro SFF, HP Compaq 8200 Elite SFF, HP Compaq 8200 Elite CMT, HP Compaq 8200 Elite MT, HP Pro 3000 MT/SFF Business PC, HP Pro 3005 MT/SFF Business PC, HP Pro 3010 MT/SFF Business PC, HP Pro 3110 SFF Business PC, HP Pro 3110 MT Business PC, HP Pro 3115 SFF Business PC, HP Pro 3115 MT Business PC, HP Pro 3125 MT Business PC, HP Pro 3130 SFF Business PC, HP Pro 3130 MT Business PC, HP Pro 3090 MT Business PC, HP Elite 7100 MT Business PC, HP Elite 7200 MT Business PC, HP Point of Sale rp5000 SFF

**NOTE:** The AMD Radeon HD 6350 PCIe x16 Graphics Cards do not support Dual-link DVI capable monitors.

**NOTE:** Not all models are available in all regions.

### Overview

#### **Service and Support**

Your Option Limited Warranty is a one (1) year (HP Option Limited Warranty Period) parts replacement warranty on any HP-branded or Compaq-branded options (HP Options). If your HP Option is installed in an HP Hardware Product, HP may provide warranty service either for the HP Option Limited Warranty Period or the remaining Limited Warranty Period of the HP Hardware Product in which the HP Option is being installed, whichever period is the longer but not to exceed three (3) years from the date you purchased the HP Option.

### Technical Specifications

#### AMD Radeon HD 6350 (512 MB) PCIe x16 Graphics Card

<b>Input/Output connectors</b>	DMS-59 S-	
<b>Board display options</b>	Supports two displays via included DMS-59 to dual VGA cable or 2 DVI monitors via optional DMS-59 to dual DVI cable kit part number: DL139A.	
<b>Board configuration</b>	<b>Specification</b>	<b>Description</b>
	Graphics Chip	AMD Radeon™ HD 6350 GPU
	Core clock	650 MHz
	Memory clock	800 MHz
	Frame buffer	512 MB DDR3, 64 bit wide
<b>Bus type</b>	PCI Express (x16 lanes) 2.0	
<b>Maximum vertical refresh rate</b>	85 Hz	
<b>Display support</b>	Integrated 400 MHz RAMDAC	
<b>Display max resolution</b>	1900 x 1200 digital, 2048 x 1536 analog	

#### Display resolutions and refresh rates

**NOTE:** Other resolutions may be available but are not recommended as they may not have been tested and qualified by HP.

Resolution	Maximum Refresh Rate (Hz)	
	Analog Connection	Digital Connection
640x480	85	60
800x600	85	60
1024x768	85	60
1280x720	85	60
1280x1024	85	60
1440x900	75	60
1600x1200	85	60
1680x1050	75	60
1920x1080	85	60-R
1920x1200	85	60-R
1920x1440	85	N/A
2048x1536	75	N/A
2560x1600	N/A	N/A

**NOTE:** 60-R denotes reduced blanking timings are used on single-link DVI connections and may be used with other digital connections.

<b>Languages supported</b>	24 languages: English, Arabic, Chinese Simplified, Chinese Traditional, Czechoslovakian, Danish, Dutch, Finnish, French, German, Greek, Hebrew, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish, Thai, Turkish.
<b>Operating systems support</b>	Windows 8 Pro, Windows 8, Windows 7 Home Basic*, Windows 7 Home Premium*, Windows 7 Professional Edition 32*, Windows 7 Professional Edition 64*, Windows 7 Ultimate Edition 32*, Windows 7 Ultimate Edition 64*, Windows Vista Ultimate 32†, Windows Vista Ultimate 64†, Windows Vista Business 32†, Windows Vista Business 64†, Windows Vista Home Basic 32†, Windows Vista Home Basic 64†, Windows XP Professional or Windows XP Home 32†.

\*This system may require upgraded and/or separately purchased hardware and/or a DVD drive to install the

### Technical Specifications

Windows 7 software and take full advantage of Windows 7 functionality. See <http://www.microsoft.com/windows/windows-7/> for details.

Windows 7 Business disk may be included for future upgrade if desired. To qualify for this downgrade an end user must be a business (including governmental or educational institutions) and is expected to order at least 25 customer systems with the same custom image

† Certain Windows Vista product features require advanced or additional hardware. Windows Vista Upgrade Advisor can help you determine which features of Windows Vista will run on your computer. To download the tool, visit: <http://www.windowsvista.com/upgradeadvisor>. For Windows Vista system requirements, visit: <http://www.windowsvista.com/systemrequirements>. Linux x86 and x86\_64 distributions using XFree86 or X.Org‡.

‡Linux drivers are available from ATI's website and may be available in a Linux distribution. Refer to the Open Source and Linux from HP website: <http://www.hp.com/wwsolutions/linux/products/clients/> for support information.

#### Maximum power consumption

19.9 W

#### Option kit contents

- AMD Radeon HD 6350 (512MB) DH PCIe x16 Card with full height bracket attached
- DMS 59 to dual VGA Y cable
- Software CD with graphics drivers
- Low profile bracket to convert the card for using in a low profile chassis
- Warranty documentation

#### Compliance standards

##### EMC Emissions:

- a) FCC Part 15, Subpart B – Unintentional Radiators, Class B Computing Devices for Home & Office Use
- b) CISPR22: 1997/EN 55022:1998 – Class B – Limits and methods of measurement of radio disturbance characteristics of Information Technology Equipment
- c) Canadian Standard ICES-003 is equivalent to CISPR22
- d) Taiwanese Standard BSMI
- e) Japanese VCCI
- f) Australian C-Tick
- g) Korean (KCC)

##### EMC Immunity:

CISPR 24:1997/EN 55024:1998 – Information Technology Equipment – Immunity Characteristics – Limits and Methods of Measurement.

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