

Overview

Models

HP 16X SATA Blu-ray Writer (carbonite)
HP 16X SATA Blu-ray Writer (black)

AR481AA
AR482AA

Introduction

Now you can have exceptional backup ability and create and edit high-definition videos in the Blu-ray format. Burn your own disc labels from right inside your Blu-ray drive and store up to 50 GB of data or record over 4 hours of Blu-ray quality video — all with the HP 16X SATA Blu-ray Writer drive.

The HP 16X SATA Blu-ray Writer gives you an unprecedented storage capacity of 50 GB thanks to double layer technology. Efficient transfer rates combine with conformance to worldwide DVD standards to make the HP 16X SATA Blu-ray Writer a highly efficient and cost-effective storage solution for your business.

Want to create professional looking video or demos in a high-definition format? The combination of hardware and software with the HP 16X SATA Blu-ray Writer drive gives you the ability to author and edit Blu-ray videos for a truly professional look.

NOTE: Playing back Blu-ray HDCP (High-bandwidth Digital Content Protection) content such as commercially distributed Blu-ray HD movies requires a fully HDCP compliant path on your computer. The HDCP technology checks compliance of each component in the path from the content on the Blu-ray disc all the way to the display monitor.

NOTE: Actual speeds may vary. HP 16X SATA Blu-ray Writer data transfer rates up to 6,000 KB/s (CD) and 16,600 KB/s (DVD). Does not permit copying of commercially available DVD movies or other copy-right protected materials. Intended for creation and storage of your original material and other lawful uses. Double Layer discs can store more data than single layer discs. Double-layer discs burned with this drive can only be read by double layer capable DVD drives and players.

Serial ATA: Serial ATA is the next generation ATA interface. It provides you with faster data transfer speeds, better system cooling airflow, more bandwidth, more headroom for speed increases in future generations and better data integrity helping to improve your productivity. This SATA interface connects storage devices to the PC platform providing a direct path between the storage device and the PC. This offers you the additional benefits of dedicated bandwidth, the ability to more easily identify device failures and scalability.

Key Benefits

- Store up to 50 GB of data
 - Record and edit Blu-ray-quality video
 - Write to all DVD formats including DVD-RAM
 - Fastest recordable technology available today for DVD burning
 - Create DVD discs that can be played on most set-top DVD players and DVD-ROM drives
 - Brings quality and affordability to the creation of high definition video, audio, still imagery, and text on high-capacity media
 - Permits recording, erasing, and re-recording of CD-RW, DVD+RW, DVD-RW and DVD-RAM discs up to 500 times
 - Includes Roxio Creator Business HD and Corel WinDVD BD software
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Overview

Included Software

Roxio Creator Business HD Now you can burn and share anything on CD or DVD - your music just the way you like it, your photos, your videos - even backup your critical data - faster and easier than ever.

Roxio Creator Business HD provides you with the necessary tools to burn your digital music, preserve memories in electronic albums, create photo slide shows, print or e-mail photos, copy personal discs or save large data projects to multiple discs. In addition, when you upgrade to an HP DVD Writer you can make DVD movies that feature professional transitions with animated menus that will play on a home DVD player. Do more with your digital media with this powerful, easy-to-use and fully integrated product.

NOTE: Support for Windows Vista is included in this version

Corel WinDVD BD

Get the most out of your DVDs with Corel WinDVD BD. Corel WinDVD BD combines the picture and sound features of a PC to bring your Blu-ray discs to life. Features include thumbnail bookmarks to instantly find your favorite scenes, fully-adjustable zoom and pan, and more. With comprehensive audio support, including Dolby Digital two channel decoding, Corel WinDVD BD lets you enjoy an unmatched theater experience on your desktop PC.

NOTE: Support for Windows Vista is included in this version

Compatibility

The HP 16X SATA Blu-ray Writer supports data applications, standard definition (SD) video applications and Blu-ray (HD) video applications* on the HP Compaq 4000 Pro SFF, HP Compaq 6000 Pro MT, HP Compaq 6000 Pro SFF, HP Compaq 4300 Pro SFF, HP Compaq 6005 Pro MT, HP Compaq 6005 Pro SFF, HP Compaq 6200 Pro MT, HP Compaq 6200 Pro SFF, HP Compaq 6300 Pro MT, HP Compaq 6300 Pro SFF, HP Compaq 8200 Elite SFF, HP Compaq 8200 Elite CMT, HP Compaq 8200 Elite MT, HP Compaq 8300 Elite SFF, HP Compaq 8300 Elite CMT, HP Compaq 8300 Elite MT, HP Compaq 6305 Pro MT, HP Compaq 6305 Pro SFF, HP rp3000 Point of Sale System, HP rp5700 Retail System, and HP rp5800 Retail System.

NOTE: Please check this product's web page on HP.com for current compatibility information.

* The following prerequisite software and hardware must be installed for Blu-ray (HD) video support/compatibility:

- Microsoft Vista (Intel PAVP does not support XP)
- Integrated Graphics, ATI Radeon HD 3650 Graphics Card, or ATI Radeon HD 3470 Graphics Card
- 2GB minimum memory
- Dual or Quad Core Processor
- HDCP compliant monitor
- dc7900 BIOS update

NOTE: Not all models are available in all regions.

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

HP 16x SATA Blu-ray Writer	5.25-inch, half-height, tray-load		
Orientation	Either horizontal or vertical		
Interface type	SATA/ATAPI		
Disc capacity	50 GB DL or 25 GB standard		
Dimensions (W x H x D)	5.9 x 1.7 x 7.5 in (15.0 x 4.4 x 19.0 cm)		
Weight (max)	2.0 lb (907g)		
Write speed		Single-layer	Double-layer
	BD-R	2x, 4x CLV, 6x CAV	2x, 4x CLV
	BD-RE	2.3x	2x CLV
	DVD-R	2x, 4x CLV, 8x ZCLV, 8x, 12x PCAV, 16x CAV	2x, 4x CLV
	DVD-RW	1x, 2x, 4x, 6x CLV	Not supported
	DVD+R	2.4x, 4x CLV, 8x ZCLV, 8x, 12x PCAV, 16x CAV	2.4x, 4x CLV
	DVD+RW	2.4x, 4x, 6x CLV, 8x ZCLV	Not supported
	DVD-RAM	2x, 3x CLV, 3-5x PCAV	
	CD-R	8x, 16x CLV, 24x, 32x PCAV, 40x CAV	
	CD-RW	4x, 10x, 16x CLV, 24x ZCLV	
Read speeds		Single-layer	Double-layer
	BD-ROM	6x CAV	4.8x CAV
	BD-R	6x CAV	4.8x CAV
	BD-RE (SL/DL)	4.8x CAV	4.8x CAV
	DVD-ROM	16x CAV	8x CAV
	DVD-R	12x CAV	8x CAV
	DVD-RW	10x CAV	Not support
	DVD+R	12x CAV	8x CAV
	DVD+RW	10x CAV	Not support
	BDMV (AACs Compliant Disc)	4.8x CAV	
	DVD-RAM	2x, 3x CLV, 3x-5x PCAV	
	DVD-Video (CSS Compliant Disc)	8x CAV	
	CD-R/RW/ROM	40x / 40x / 40x CAV	
	CD-DA (DAE)	32x CAV	
	80 mm CD	16x CAV	
Sustained Transfer rate	BD-ROM	215.79 Mbits/s (6x) max.	
	DVD-ROM	16.62 Mbytes/s (16x) max.	
	CD-ROM	6,000 KB/s (40x) max.	

Technical Specifications

Burst Transfer rate		1.5Gbps bits/s (10b side) 1.2Gbps bits/s (8b side)
Multimedia MPC-3 compliant		Yes
Access times (typical reads, including setting)	Random	DVD: < 140 ms (typical), CD: < 125 ms (typical)
	Full Stroke	DVD: < 250 ms (seek), CD: < 210 ms (seek)
Power	Source	SATA DC power receptacle
	DC Power Requirement	5 VDC \pm 5%-100 mV ripple p-p 12 VDC \pm 5%-200 mV ripple p-p
	DC Current	5 VDC -1000 mA typical, 1600 mA maximum 12 VDC -600 mA typical, 1400 mA maximum
Environmental (all conditions non-condensing)	Temperature (operating)	41° to 122° F (5° to 50° C)
	Relative Humidity (operating)	10% to 90%
	Maximum Wet Bulb Temperature (operating)	86° F (30° C)
Operating systems supported		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 Business 64**, Windows Vista Business 32**, Windows Vista Home Basic 32**, Windows 2000, Windows XP Professional or Windows XP Home 32**. No driver is required for this device. Native support is provided by the operating system.
		<p>* This system may require upgraded and/or separately purchased hardware and/or a DVD drive to install the Windows 7 software and take full advantage of Windows 7 functionality. See http://www.microsoft.com/windows/windows-7/ for details.</p> <p>** 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.</p>
Option kit contents		HP 16x SATA Blu-ray Writer drive, the appropriate SATA cable for the drive, Roxio Creator Business HD version 9, Corel WinDVD BD Software, installation guide, and DVD+R media.

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