Lenovo Blu-ray Burner option enables fast recording of data and video files

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At a glance

The Lenovo® Blu-ray Burner features a new rewritable optical drive technology. Benefits include:

• Stores huge amounts of data and video
• Enables playback of high-definition Blu-ray movies
• Provides Serial ATA Interface
• Offers a one-year limited warranty

Overview

The Lenovo Blu-ray Burner option offers rewritable technology suitable for high-capacity data archiving or authoring and playback of high-definition video content. This new drive:

• Stores up to 25 GB of data on a Blu-ray Single Layer disc and up to 50 GB of data on a Blu-ray Dual Layer disc
• Enables playback of high-definition Blu-ray movie content
• Provides 4 MB buffer underrun protection for reliable media recording
• Includes the following software package:
  - Ulead DVD Movie Factory recording, editing, and authoring software for capturing, editing, and creating your own videos and burning software for recording to CD, DVD, and Blu-ray supported media.
  - WinDVD software for playback of high-definition Blu-ray and standard definition video files and movies.

This new offering benefits from outstanding quality, reliability, compatibility, and testing programs.

1 Refer to the Technical information section for specific rate capabilities.

2 Some software may differ from its retail version (if available), and may not include user manuals or all program functionality. Software license agreements may apply.

Key prerequisites

Microsoft® Windows® XP or Vista
Planned availability date

April 3, 2009

Additional information

All offers are subject to availability. Lenovo reserves the right to alter product offerings and specifications at any time without notice. Lenovo is not responsible for photographic or typographic errors.

Lenovo makes no representation or warranty regarding third-party products or services.

Accessibility by people with disabilities

A U.S. Section 508 Voluntary Product Accessibility Template (VPAT) containing details on accessibility compliance can be requested at

http://www-03.ibm.com/research/accessibility/requests/accvpat.nsf/lenovo-bidx?OpenForm

Product number

<table>
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<tr>
<th>Description</th>
<th>Part Number</th>
<th>EAN Code</th>
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<td>Lenovo Blu-ray Burner (Serial ATA)</td>
<td>45K1675</td>
<td>0884343-68797-1</td>
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Terms and conditions

This product is available from Lenovo under the terms and conditions for purchase.

Warranty and service

- The warranty period is: One year
- Helpware: Contact your Lenovo HelpWare® number, your place of purchase, or your local Lenovo office.

Supplemental information

Lenovo Blu-ray Burner (45K1675)

Product positioning

The Lenovo Blu-ray Burner features new rewritable optical drive technology with huge storage capability and high-definition Blu-ray Disc and HD DVD movie playback.

Technical information

Performance specifications

Maximum data transfer rates:

Write speeds:

- CD-R media: 40X CAV, 6 MB/Sec
- CD-Rw media: 24X 2CLV, 3.6 MB/Sec
- DVD-R media: 16X CAV, 22.16 MB/Sec
- DVD-R DL: 4X CLV, 5.54 MB/Sec
- DVD+R media: 16X CAV, 22.16 MB/Sec
- DVD+R DL: 4X CLV, 5.54 MB/Sec
DVD+RW media            8X ZCLV         11.08 MB/Sec  
DVD-RAM media           5X PCAV         6.93 MB/Sec  
BD-R SL                 6X CLV          27 MB/Sec  
BD-R DL                 6X CLV          27 MB/Sec  
BD-R SL LTH             2X CLV          9 MB/Sec  
BD-RE SL                2X CLV          9 MB/Sec  
BD-RE DL                2X CLV          9 MB/Sec  

Read speeds: 3

CD-ROM                  40X CAV         6 MB/Sec  
DVD-ROM SL              16X CAV         22.16 MB/Sec  
DVD-ROM DL              8X CAV          11.08 MB/Sec  
BD-ROM SL               6X CAV          27 MB/Sec  
BD-ROM DL               6X CAV          27 MB/Sec  

Maximum Burst data transfer rates:

• 1.5G bits/s (10b side)
• 1.2G bits/s (8b side)

Average access times:

• CD-ROM: 150 ms (typical)
• DVD-ROM: 160 ms (typical)
• BD-ROM: 180 ms (typical)

3 CD and DVD drives list maximum rates. Rates are variable and are often less than the maximum possible.

Physical specifications

• Approximate height: 41.3 mm (1.63 in)
• Approximate width: 146 mm (5.75 in)
• Approximate length: 185 mm (7.28 in)
• Approximate weight: 900 g (1.98 lb)

Operating environment

• Temperature: 5° to 45°C (41° to 113°F)
• Relative humidity: 15% to 80% (non-condensing)

Agency approvals

• CE
• cUL
• TUV
• UL
• MIC
• C-Tick
• BSMI
• VCCI
• FCC
• Semko
• RoHS

Hardware requirements

The Lenovo Blu-ray Burner is supported on the following systems.
Note: Installation of a high-definition, movie-capable graphics adapter is required for smooth playback of high-definition Blu-ray movies.

Software requirements
• Microsoft Windows XP
• Microsoft Windows Vista

Compatibility
The Lenovo Blu-ray Burner is compatible with the following Blu-ray, CD, and DVD formats:

• BD-ROM V1.2 (25/50 GB) (read)
• BD-R/RE single layer (read and write)
• BD-R/RE dual layer (read and write)
• DVD-ROM V1.1 (4.7/8.5 GB) (read)
• DVD-R V2.1 (4.7 GB) and V3.0 (8.5 GB) (read and write)
• DVD+R V1.3 (4.7 GB) and V1.1 (8.5 GB) (read and write)
• DVD+RW (read and write)
• DVD-RW V1.2 (4.7 GB) (read and write)
• DVD-RAM V2.2 1.46 GB/side, 4.7 GB/side (read and write)
• CD-RW (read and write)
• CD-R (read and write)
• CD-ROM mode-1 data (read)
• CD-ROM mode-2 data (read)
• CD-ROM XA (read)
• CD Audio
• CD-I
• Photo CD multi-session
• Video CD
• CD-Extra
• CD-TEXT

Note: Some software configurations may not be compatible with all media. Also, some media brands may not be compatible.

Limitations
None

Planning information

Cable orders required
No

Installation time
Approximately five minutes

Packaging
One box (plain brown box -- not packaged for consumer)

Shipment group
• Lenovo Blu-ray Burner
• Quick Start Guide (1)
• Safety information book on CD
• Super CD containing User’s Guide, WinDVD, and Ulead DVD Movie Factory applications

Publications

The User’s Guide on Super CD Disc is shipped with each drive and is available in the following languages:

• U.S. English
• Brazilian Portuguese
• French
• German
• Italian
• Spanish
• Japanese
• Simplified Chinese
• Traditional Chinese
• Slovak
• Czech
• Turkish

Note: The Publication Notification System (PNS) is not available.

Security, auditability, and control

This product uses the security and auditability features of the system on which it is installed.

Terms and conditions

| Field-installable | Yes |
| Customer setup    | Yes |
| Warranty period*  | 1 year |
| Service type      | CRU |
| Maintenance agreement | No |
| Optional upgrade  | No |
| Licensed programs | No |

* To obtain copies of the Lenovo Statement of Limited Warranty, contact your reseller or call Lenovo.

Help and service information -- Features and options

During the warranty period, support for a warranty related issue can be obtained by accessing Lenovo’s on-line services (requires internet access account, not included) or calling the Support Center, 8:00 a.m. until 6:00 p.m. business hours, to answer any questions regarding your new Lenovo option. Response time will vary depending on the number and nature of calls received. If you need warranty service, return or exchange is available. In addition, if your Lenovo option is installed in a Lenovo computer, you may be entitled to service at your location. For general questions related to the use of your options, fee-based support is available. Your technical support representative can help you determine the best alternative.

Accessing Lenovo online services
Placing the call to Lenovo
For technical support, contact your HelpWare number, your place of purchase, or your local sales office.

Prices

For all local charges, contact your sales representative.

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