

### Overview

## Models

	Part Number
HP 9.5mm Slim BDXL Blu-Ray Writer <sup>1</sup>	K3R65AA
HP 9.5mm Slim DVD-ROM Drive	K3R63AA
HP 9.5mm Slim SuperMulti DVD Writer <sup>2</sup>	K3R64AA
HP 9.5mm Slim DVD-Writer Drive	ZZK26AA

**NOTE 1:** With Blu-Ray, certain disc, digital connection, compatibility and/or performance issues may arise, and do not constitute defects in the product. Flawless playback on all systems is not guaranteed. In order for some Blu-ray titles to play, they may require a DVI or HDMI digital connection and your display may require HDCP support. Does not support HD DVD drives. Don't copy copyright protected materials.

**NOTE 2:** The DVD-RAM cannot read or write to 2.6GB Single Sided/5.2 GB Double Sided – Version 1.0 media. Don't copy copyright-protected materials.

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## HP 9.5mm Slim BDXL Blu-Ray Writer

K3R65AA

### Introduction

Get the latest in the progression from CDs, to DVDs and now Blu-ray optical disc storage technologies.

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## Performance and Features

- Store up to 128GB of data on a quad layer disk, 100GB on a triple layer disk, and 50GB of data on a dual layer disk or record up to 9 hours of high-definition (HD) video or 23 hours of standard-definition (SD) video on a 50 GB disc
  - Write to all Blu-ray, DVD (including DVD-RAM) and CD formats
  - Fastest recordable technology available today for Blu-ray and DVD burning
  - Create discs that can be played on most compatible set-top players and Blu-ray or DVD-ROM drives
  - Brings quality and the latest technology to the creation of video, audio, still imagery, and text on the highest-capacity media
  - Permits recording, erasing, and re-recording of CD-RW, DVD+RW, DVD-RW, DVD-RAM, BD-R and BD-RE discs up to 500 times
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## Compatibility

- The HP 9.5mm Slim BDXL Blu-Ray Writer is compatible with the HP Z440, Z640 and Z840 Workstations. Not all models available in all regions.
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### 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.

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## HP 9.5mm Slim DVD-ROM Drive

K3R63AA

### Introduction

With up to 8.5-GB (Double Layer<sup>1</sup>) of storage per-disc, the HP 9.5mm Slim DVD-ROM drive can read from any industry standard DVD media at speeds of up to 11,080 kB/s or reads CD media at up to 3,600kB/s.

The SATA interface provides 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 productivity. SATA interface connects storage devices to the PC platform. SATA point-to-point topology provides a direct path between the storage device and the PC enabling easy aggregation of multiple storage devices into a single PC. This offers you the additional benefits of dedicated bandwidth, the ability to more easily identify device failures and scalability.

Hewlett-Packard goes to great lengths to provide you with the highest performing, most integrated, thoroughly tested computing solutions. This quality combination not only simplifies the purchase and service process by providing one-step shopping, but also lowers the overall cost of ownership.

**NOTE:** Actual speeds may vary.

**NOTE1:** Double-layer discs burned with this drive may not be compatible with many existing single-layer DVD drives and players.

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## Performance and Features

- Reads from any industry standard DVD and CD media (see technical specifications below)
  - Stores up to 8.5 GB of data (double layer)
  - DVD-ROM read speeds up to 8X
  - CD-ROM read speeds up to 24X
  - Ability to read both single- and double-layer DVD media
  - Ability to read DVD-RAM media
  - Operates in horizontal or vertical orientation
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### Overview

#### Compatibility

- The HP 9.5mm Slim DVD-ROM Drive is compatible with the HP Z440, Z640 and Z840 Workstations. Not all models available in all regions.
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#### Service and Support

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### HP 9.5mm Slim SuperMulti DVD Writer

K3R64AA

#### Introduction

The 9.5mm Slim SuperMulti drive can write to all DVD formats including DVD-RAM, and store up to 8.5 GB of data or record up to 4 hours of DVD-quality video - all with the HP 9.5mm Slim SuperMulti drive.

The HP 9.5mm Slim SuperMulti Drive gives you a storage capacity of 8.5 GB - nearly twice that of previous generation drives thanks to double layer technology. It writes to DVD+R at up to 8X, DVD-RAM at up to 5X, Double Layer DVD+R at up to 8X, DVD+RW at up to 8X, DVD-R at up to 8X, Double Layer DVD-R at up to 8X, DVD-RW at up to 8X, CD-R at up to 24X and CD-RW at up to 24X and reads from industry standard DVD-ROM media at up to 8X and CD-ROM media at up to 24X. These transfer rates, combined with conformance to worldwide DVD standards, make the HP 9.5mm Slim SuperMulti DVD Writer Drive a highly efficient and cost-effective storage solution for your business.

SATA interface 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.

**NOTE:** Actual speeds may vary. HP 9.5mm Slim SuperMulti Drive data transfer rates up to 3,600KB/s (CD) and 11,080 KB/s (DVD). It does not permit copying of commercially available DVD movies or other copy-right protected materials. It is intended for creation and storage of your original material and other lawful uses. Double Layer discs can store more data than single layer discs. However, double-layer discs burned with this drive may not be compatible with many existing single-layer DVD drives and players.

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### Overview

#### Performance and Features

- Store up to 8.5 GB of data or record up to 4 hours of DVD-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 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
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#### Compatibility

- The HP 9.5mm Slim SuperMulti DVD Writer is compatible with the HP Z240, Z440, Z640 and Z840 Workstations. Not all models available in all regions.
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#### 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.

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### Technical Specifications

#### HP 9.5mm Slim BDXL Blu-Ray Writer

<b>Description</b>	9.5mm height, tray-load	
<b>Mounting Orientation</b>	Either horizontal or vertical	
<b>Interface Type</b>	SATA/ATAPI	
<b>Dimensions (WxHxD)</b>	128 x 9.5 x 127mm	
<b>Supported Media Types</b>	BD-ROM BD-R BD-RE DVD-RAM DVD+R DVD+RW DVD+R DL DVD-R DL DVD-R DVD-RW CD-R CD-RW	
<b>Disc Capacity</b>	<b>DVD-ROM</b>	8.5 GB DL or 4.7 GB standard
	<b>Blu-ray</b>	25 GB (single-layer) 50 GB (dual-layer) 100/128 GB (BDXL)
	<b>Full Stroke DVD</b>	< 230 ms (seek)
	<b>Full Stroke CD</b>	< 220 ms (seek)
	<b>Blu-ray</b>	< 230 ms (seek) (Full Stroke Blu-ray)
	<b>Startup Time</b>	(Time to drive ready from tray loading)
		BD-ROM (SL/DL) 25S / 28S BD-R (SL/DL) 25S / 28S BD-RE (SL/DL) 25S / 28S DVD-ROM (SL/DL) 18S / 18S DVD-R (SL/DL) 25S / 25S DVD-RW 25S DVD+R (SL/DL) 25S / 25S DVD+RW 25S DVD-RAM 45S CD-ROM 15S
<b>Maximum Data Transfer Rates</b>	<b>CD ROM Read</b>	CD-ROM, CD-R Up to 24X CD-RW Up to 24X
	<b>DVD ROM Read</b>	DVD-RAM Up to 8X DVD+RW Up to 8X DVD-RW Up to 8X DVD+R DL Up to 8X DVD-R DL Up to 8X DVD-ROM Up to 8X DVD-ROM DL Up to 8X DVD+R Up to 8X DVD-R Up to 8X
	<b>Blu-ray</b>	BD-ROM Up to 6X BD-ROM DL Up to 6X BD-R Up to 6X

### Technical Specifications

		BD-R DL Up to 6X BD-R Up to 6X BD-RE SL/DL Up to 6X
<b>Power</b>	<b>Source</b>	SATA DC power receptacle
	<b>DC Power Requirements</b>	5 VDC ± 5%-100 mV ripple p-p
	<b>DC Current</b>	5 VDC -900 mA typical, 2000mA maximum
<b>Operating Environmental</b> (all conditions non-condensing)	<b>Temperature</b>	41° to 122° F (5° to 50° C)
	<b>Relative Humidity</b>	10% to 80%
	<b>Maximum Wet Bulb Temperature</b>	84° F (29° C)
<b>Operating Systems Supported</b>	Windows 8.1, Windows 8 32-bit and 64-bit, Windows 7 Professional 32-bit and 64-bit, Windows Vista Business 64*, Windows Vista Business 32*, Windows Vista Home Basic 32*, Windows 2000, Windows XP Professional or Windows XP Home 32*, Red Hat Enterprise Linux(RHEL) WS4**, 5, 6 Desktop/Workstation SUSE Linux Enterprise Desktop 10 & 11	

No driver is required for this device. Native support is provided by the operating system.

<b>Kit Contents</b>	9.5mm Slim BDXL Blu-Ray Writer, 5.25" ODD Bay adapter/carrier, slim SATA data/power cable, installation guide
	As Blu-ray is a new format containing new technologies, certain disc, digital connection, compatibility and/or performance issues may arise, and do not constitute defects in the product. Flawless playback on all systems is not guaranteed. In order for some Blu-ray titles to play, they may require a DVI or HDMI digital connection and your display may require HDCP support. HD-DVD movies cannot be played on this workstation.

### HP 9.5mm Slim DVD-ROM Drive

<b>Description</b>	9.5mm height, tray-load	
<b>Mounting Orientation</b>	Either horizontal or vertical	
<b>Interface Type</b>	SATA / ATAPI	
<b>Dimensions</b> (WxHxD)	128 x 9.5 x 127mm	
<b>Disc Capacity</b>	<b>DVD-ROM</b>	Single layer: Up to 4.7 GB Double layer: Up to 8.5 GB
<b>Access Times</b>	<b>DVD-ROM Single Layer</b>	< 110 ms (typical)
	<b>CD-ROM Mode 1</b>	< 110 ms (typical)
	<b>Full Stroke DVD</b>	< 230 ms (typical)
	<b>Full Stroke CD</b>	< 220 ms (typical)
<b>Power</b>	<b>Source</b>	SATA DC power receptacle
	<b>DC Power Requirements</b>	5 VDC ± 5%-100 mV ripple p-p
	<b>DC Current</b>	5 VDC - <800mA typical, < 1600 mA maximum
<b>Operating Environmental</b> (all conditions non-condensing)	<b>Temperature</b>	41° to 122° F (5° to 50° C)
	<b>Relative Humidity</b>	10% to 80%
	<b>Maximum Wet Bulb Temperature</b>	84° F (29° C)
<b>Operating Systems Supported</b>	Windows 8.1, Windows 8 32-bit and 64-bit, Windows 7 Professional 32-bit and 64-bit, Windows Vista Business 64*, Windows Vista Business 32*, Windows Vista Home Basic 32*, Windows 2000, Windows XP Professional or Windows XP Home 32*, Red Hat Enterprise Linux(RHEL) WS4**, 5, 6 Desktop/Workstation	

### Technical Specifications

SUSE Linux Enterprise Desktop 10 & 11

No driver is required for this device. Native support is provided by the operating system.

#### Kit Contents

9.5mm Slim DVD-ROM Drive, 5.25" ODD Bay adapter/carrier, slim SATA data/power cable, installation guide

### HP 9.5mm Slim SuperMulti DVD Writer

#### Description

9.5mm height, tray-load

#### Mounting Orientation

Either horizontal or vertical

#### Interface Type

SATA/ATAPI

#### Dimensions (WxHxD)

128 x 9.5 x 127mm

#### Supported Media Types

DVD-RAM  
 DVD+R  
 DVD+RW  
 DVD+R DL  
 DVD-R DL  
 DVD-R  
 DVD-RW  
 CD-R  
 CD-RW

#### Disc Capacity

**DVD-ROM** 8.5 GB DL or 4.7 GB standard

**Full Stroke DVD** < 200 ms (seek)

**Full Stroke CD** < 200 ms (seek)

#### Maximum Data Transfer Rates

**CD ROM Read** CD-ROM, CD-R Up to 24X  
 CD-RW Up to 24X

**DVD ROM Read** DVD-RAM Up to 8X  
 DVD+RW Up to 8X  
 DVD-RW Up to 8X  
 DVD+R DL Up to 8X  
 DVD-R DL Up to 8X  
 DVD-ROM Up to 8X  
 DVD-ROM DL Up to 8X  
 DVD+R Up to 8X  
 DVD-R Up to 8X

#### Power

**Source** SATA DC power receptacle

**DC Power Requirements** 5 VDC ± 5%-100 mV ripple p-p

**DC Current** 5 VDC < 800 mA typical, <1600 mA maximum

#### Operating Environmental (all conditions non-condensing)

**Temperature** 41° to 122° F (5° to 50° C)

**Relative Humidity** 10% to 80%

**Maximum Wet Bulb Temperature** 84° F (29° C)

#### Operating Systems Supported

Windows 10, Windows 7 Professional 32-bit and 64-bit, Windows Vista Business 64\*, Windows Vista Business 32\*, Windows Vista Home Basic 32\*, Windows 2000, Windows XP Professional or Windows XP Home 32\*. Red Hat Enterprise Linux(RHEL) WS4\*\*, 5, 6 Desktop/Workstation SUSE Linux Enterprise Desktop 10 & 11

### Technical Specifications

\* No driver is required for this device. Native support is provided by the operating system.

#### Kit Contents

HP SATA SuperMulti DVD Writer drive, installation guide.

### HP 9.5mm Slim DVD-Writer Drive

<b>Description</b>	9.5mm height, tray-load	
<b>Mounting Orientation</b>	Either horizontal or vertical	
<b>Interface Type</b>	SATA/ATAPI	
<b>Dimensions (WxHxD)</b>	128 x 9.5 x 127mm	
<b>Supported Media Types</b>	DVD+R DVD+RW DVD+R DL DVD-R DL DVD-R DVD-RW CD-R CD-RW	
<b>Disc Capacity</b>	<b>DVD-ROM</b>	8.5 GB DL or 4.7 GB standard
	<b>Full Stroke DVD</b>	< 200 ms (seek)
	<b>Full Stroke CD</b>	< 200 ms (seek)
<b>Maximum Data Transfer Rates</b>	<b>CD ROM Read</b>	CD-ROM, CD-R Up to 24X CD-RW Up to 24X
	<b>DVD ROM Read</b>	DVD-RAM Up to 8X DVD+RW Up to 8X DVD-RW Up to 8X DVD+R DL Up to 8X DVD-R DL Up to 8X DVD-ROM Up to 8X DVD-ROM DL Up to 8X DVD+R Up to 8X DVD-R Up to 8X
<b>Power</b>	<b>Source</b>	SATA DC power receptacle
	<b>DC Power Requirements</b>	5 VDC ± 5%-100 mV ripple p-p
	<b>DC Current</b>	5 VDC < 800 mA typical, <1600 mA maximum
<b>Operating Environmental (all conditions non-condensing)</b>	<b>Temperature</b>	41° to 122° F (5° to 50° C)
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<b>Operating Systems Supported</b>	Windows 10, Windows 7 Professional 32-bit and 64-bit, Windows Vista Business 64*, Windows Vista Business 32*, Windows Vista Home Basic 32*, Windows 2000, Windows XP Professional or Windows XP Home 32*. Red Hat Enterprise Linux(RHEL) WS4**, 5, 6 Desktop/Workstation SUSE Linux Enterprise Desktop 10 & 11	

\* No driver is required for this device. Native support is provided by the operating system.

#### Kit Contents

HP DVD-Writer drive, installation guide.



### Technical Specifications

#### Compatibility

- The HP 9.5mm Slim DVD-Writer Drive is compatible with many HP Business Desktops (with the exception of ultra-slim desktops), and HP Z Workstations, including Z240, Z440, Z640, Z840, Z4 G4, Z6 G4, and Z8 G4. Check platform QuickSpecs for compatibility.

Not all models available in all regions.

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#### 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.

### Summary of Changes

<b>Date of change:</b>	<b>Version History:</b>		<b>Description of change:</b>
31 March, 2016	From v1 to v2	Added	K3R64AA compatibility and Write speeds in Technical Specifications section.
February 1, 2017	From v2 to v3	Changed	HP 9.5mm Slim SuperMulti DVD Writer, HP Slim DVD-Writer Drive OS Support and specs
November 1, 2017	From v3 to v4	Added	HP 9.5mm Slim DVD-Writer Drive Part number

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