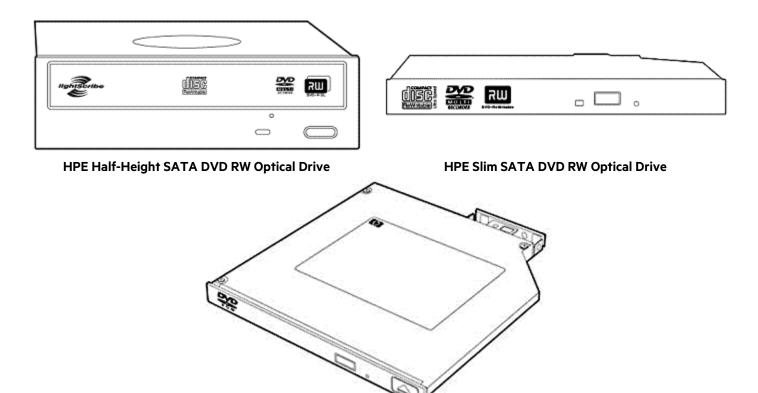
QuickSpecs

Overview

HPE SATA DVD RW Optical Drives

The HPE SATA optical drives for HPE ProLiant servers are offered with an industry-standard SATA interface and are supported on most major operating systems.

The DVD RW drive will be capable of reading DVD 4.7 GB through 8.5 GB media. It will also be able to read standard stamped, CD-R, and CD-RW media. This drive supports writing to CD-R, CD-RW, DVD +R/RW, and DVD -R/RW media via software utilities. For Microsoft® operating systems, this is available by installing the included Roxio software disk. For other operating systems, an operating system-specific software utility is required for writing to media.



HPE 9.5mm SATA DVD RW Optical Drive

What's New

• HPE 9.5mm SATA DVD-RW JackBlack G9 Optical Drive

Models

HPE 9.5mm SATA DVD-RW Optical Drive 726537-B21
HPE Half-Height SATA DVD RW JackBlack Optical Drive 624192-B21
HPE 12.7mm Slim SATA DVD-RW JackBlack Optical Drive 652235-B21
HPE 9.5mm SATA DVD-RW JackBlack Optical Drive 652241-B21
HPE Half-Height SATA DVD-RW Optical Drive 447328-B21



Overview

HPE Slim 12.7mm SATA DVD-RW Optical Drive HPE 9.5mm SATA DVD-RW Optical Drive

481043-B21 481047-B21

Kit Contents

- SATA DVD RW drive
- Installation guide
- Warranty card
- Roxio software disk
- SATA data and power cables

Product Features

• Higher capacity writable optical drive utilizing DVD and CD media

Compatibility

NOTE: This is a list of supported servers. Some may be discontinued.

HPE 9.5mm SATA DVD- ProLiant ML (expansion-optimized): RW JackBlack Gen9

Optical Drive 726537-B21

HPE ProLiant ML350 Gen9

ProLiant DL (rack-optimized):

- HPE ProLiant DL160 Gen9
- HPE ProLiant DL180 Gen9
- HPE ProLiant DL360 Gen9
- HPE ProLiant DL360 Gen9

HPE Half-Height SATA DVD RW JackBlack Optical Drive

624192-B21

ProLiant ML (expansion-optimized):

- HPE ProLiant ML310e Gen8
- HPE ProLiant ML310e Gen8 v2
- HPE ProLiant ML350e Gen8
- HPE ProLiant ML350p Gen8

ProLiant MicroServer (Just Right First Server):

• HPE ProLiant MicroServer

HPE 12.7mm Slim SATA ProLiant DL (rack-optimized):

DVD-RW JackBlack Optical Drive

RW JackBlack Optical

652235-B21

- HPE ProLiant DL380e Gen8
- HPE ProLiant DL380p Gen8
- HPE ProLiant DL385p Gen8

HPE 9.5mm SATA DVD- ProLiant DL (rack-optimized):

Drive

Drive

• HPE ProLiant DL160 Gen8

652241-B21

Overview

- HPE ProLiant DL320e Gen8
- HPE ProLiant DL320e Gen8 v2
- HPE ProLiant DL360e Gen8
- HPE ProLiant DL360p Gen8

ProLiant MicroServer:

HPE ProLiant MicroServer Generation 8 (Gen8)

HPE Half-Height SATA DVD-RW Optical Drive

447328-B21

ProLiant DL (rack-optimized):

HPE ProLiant DL370 G6

ProLiant ML (expansion-optimized):

- HPE ProLiant ML110 G5
- HPE ProLiant ML110 G6
- HPE ProLiant ML110 G7
- HPE ProLiant ML115 G5
- HPE ProLiant ML150 G5
- HPE ProLiant ML150 G6
- HPE ProLiant ML310 G5p
- HPE ProLiant ML330 G6
- HPE ProLiant ML350 G5
- HPE ProLiant ML350 G6
- HPE ProLiant ML370 G6

HPE Slim 12.7mm SATA ProLiant DL (rack-optimized): **DVD-RW Optical Drive**

481043-B21

- HPE ProLiant DL120 G5
- HPE ProLiant DL180 G5
- HPE ProLiant DL180 G6
- HPE ProLiant DL320 G5p
- HPE ProLiant DL370 G6
- HPE ProLiant DL380 G6
- HPE ProLiant DL380 G7
- HPE ProLiant DL385 G5p
- HPE ProLiant DL385 G6
- HPE ProLiant DL385 G7
- HPE ProLiant DL580 G5
- HPE ProLiant DL580 G7
- HPE ProLiant DL585 G7
- HPE ProLiant DL980 G7

ProLiant ML (expansion-optimized):

HPE ProLiant ML370 G6

Overview

HPE 9.5mm SATA DVD- ProLiant DL (rack-optimized): RW Optical Drive

481047-B21

- HPE ProLiant DL120 G6
- HPE ProLiant DL120 G7
- HPE ProLiant DL160 G6
- HPE ProLiant DL160se G6
- HPE ProLiant DL165 G7
- HPE ProLiant DL320 G5p
- HPE ProLiant DL320 G6

Warranty

The warranty for this device is 1 year parts only. Maximum: The remaining warranty of the HPE server product in which it is installed (to a maximum three-year limited warranty).

- Response Upgrade on-site response from next business day to same day 4 hours
- Coverage Extend hours of coverage from 9 hours x 5 days to 24 hours x 7 days
- Duration Select duration of coverage for a period of 1, 3, or 5 years

Warranty upgrade options can come in the form of Care Packs, which are sold at the HPE System level this product attaches too.

Service and Support

Service and Support

HPE Technology Services

HPE Technology Services offers you consultants and support experts to solve your most complex infrastructure problems. We help keep your business running, boost availability, and avoid downtime.

Protect your business beyond warranty with HPE Pointnext operational Services

When you buy HPE Options, it's also a good time to think about what level of service you may need. HPE Pointnext operational services provide total care and support expertise with committed response choices designed to meet your IT and business need.

HPE Foundation Care services deliver scalable support-packages for Hewlett Packard Enterprise industry-standard servers and software. You can choose the type and level of service that is most suitable for your business needs. New to this portfolio is HPE Collaborative Support. If you are running business critical environments, Hewlett Packard Enterprise offers Proactive Care or Critical Advantage. These services help you deliver high levels of application availability through proactive service management and advanced technical response.

Here is the support service recommendation from the Foundation Care and Proactive Care portfolio. For customized support service solution, Hewlett Packard Enterprise can work with you to tailor a service solution for your unique support requirements using broader services portfolio of Foundation Care and Proactive Care.

Recommended HPE Pointnext operational Services for optimal satisfaction with your HPE product

Recommended Services 3-Year HPE 24x7 4 hour Response, Hardware Support Onsite Service

Provides you with rapid remote support and if required a Hewlett Packard Enterprise Authorized representative who will arrive on site any time and day of the year to begin hardware maintenance service within 4 hours of the service request being logged.

https://www.hpe.com/h20195/v2/getpdf.aspx/5982-6547eee.pdf

OR

3-Year HPE 24x7 4 hour Response, HPE Collaborative Support

Offers customers a single point of contact for server problem diagnosis, hardware problem resolution, and basic software problem diagnosis, fault isolation, and resolution if available to Hewlett Packard Enterprise. If the problem is with HPE HW, the representative will arrive on site any time and day of the year to begin hardware maintenance service within 4 hours of the service request being logged. In case, the issue is with HPE or supported third-party software product and cannot be resolved by applying known fixes, Hewlett Packard Enterprise will contact the third-party vendor and create a problem incident on your behalf.

HPE ProLiant Server Hardware Installation

Provides for the basic hardware installation of Hewlett Packard Enterprise branded servers, storage devices and networking options to assist you in bringing your new hardware into operation in a timely and professional manner

http://h20195.www2.hp.com/V2/GetPDF.aspx/5981-9356EN.pdf

Related HPE Pointnext operational Services to enhance your HPE product experience

Related Services

3-Year HPE 24x7 4 hour Response, Proactive Care or Critical Advantage

Helps optimize your systems and delivers high levels of application availability through proactive service management and advanced technical response. A skilled Technical Manager will own your

Service and Support

guery or issue end to end until resolved, delivering a single point of contact for you.

https://www.hpe.com/h20195/v2/getpdf.aspx/4aa3-2140enw.pdf

OR

3-Year HPE 6-hour Onsite Call-to-Repair, HPE Collaborative Support

Offers customers a single point of contact for server problem diagnosis, hardware problem resolution to return the hardware in operating condition within 6 hours of the initial service request to the HPE Global Solution Center, and basic software problem diagnosis, fault isolation, and resolution if available to Hewlett Packard Enterprise. In case, the issue is with HPE or supported third-party software product and cannot be resolved by applying known fixes, Hewlett Packard Enterprise will contact the third-party vendor and create a problem incident on your behalf.

HPE Proactive Select Service

Provides a flexible way to purchase HPE best-in-class consultancy and technical services. You can buy Proactive Select Service Credits when you purchase your hardware and then use the credits over the next 12 months.

http://h20195.www2.hp.com/V2/GetPDF.aspx/4AA2-3842ENN.pdf

Insigh Provides 24 X 7 remote monitoring, proactive notifications, and problem resolution. Learn

t more http://h20565.www2.hpe.com/portal/site/hpsc/public/psi/home?sp4ts.oid=5211911&ac.admitted=15078160
Remo 40466.125225703.1851288163

te Supp ort

HPE Support Center

Personalized online support portal with access to information, tools and experts to support Hewlett Packard Enterprise business products. Submit support cases online, chat with HPE experts, access support resources, or collaborate with peers. Learn

more http://h20565.www2.hpe.com/portal/site/hpsc/

The HPE Support Center Mobile App* allows you to resolve issues yourself or quickly connect to an agent for live support. Now, you can get access to personalized IT support anywhere, anytime. HPE Insight Remote Support and HPE Support Center are available at no additional cost with a HPE warranty, HPE Pointnext operational or Hewlett Packard Enterprise contractual support agreement.

*The Hewlett Packard Enterprise Support Center Mobile App is subject to local availability

Parts and materials

Hewlett Packard Enterprise will provide HPE-supported replacement parts and materials necessary to maintain the covered hardware product in operating condition, including parts and materials for available and recommended engineering improvements. Supplies and consumable parts will not be provided as part of this service; standard warranty terms and conditions apply. Parts and components that have exceeded their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual or the technical product data sheet will not be provided, repaired, or replaced as part of this service.

Warranty / Service Coverage

For ProLiant servers and storage systems, this service covers HPE-branded hardware options qualified for the server, purchased at the same time or afterward, internal to the enclosure, as well as external monitors up to 22 inches and tower UPS products; these items will be covered at the same service level and for the same coverage period as the server unless the maximum supported lifetime and/or the maximum usage limitation has been exceeded. Coverage of the UPS battery is not included; standard warranty terms and conditions apply.

Service and Support

The defective media retention service feature option applies only to Disk or eligible SSD/Flash Drives replaced by Hewlett Packard Enterprise due to malfunction. It does not apply to any exchange of Disk or SSD/Flash Drives that have not failed. SSD/Flash Drives that are specified by Hewlett Packard Enterprise as consumable parts and/or that have exceeded maximum supported lifetime and/or the maximum usage limit as set forth in the manufacturer's operating manual or the technical data sheet are not eligible for the defective media retention service feature option.

For more information

To learn more on services for HPE ESSN Options, please contact your Hewlett Packard Enterprise sales representative or Hewlett Packard Enterprise Authorized Channel Partner. Or

visit: https://www.hpe.com/us/en/support.html

or https://www.hpe.com/us/en/services/operational.html

HPE Half-Height SATA DVD RW Optical Drive (including Jackblack)

Shipping Dimensions

6.0 x 9.88 x 10.88 in (15.24 x 25.1 x 27.64 cm)

 $(H \times W \times D)$

Drive Dimensions 1.62 x 5.75 x 7.8 in (4.13 x 14.6 x 20 cm)

 $(H \times W \times D)$

Device Type DVD+/-RW Drive (Super-Muilti Drive)

Applicable Disk

Disk

DVD-R DVD-R DL **DVD-RW** DVD+R DVD+R DL DVD+RW

DVD-ROM

DVD-RAM Ver. 1.1 (Read Only) DVD-RAM Ver. 2.2 (Rev. 2)

CD-ROM XA

CD-ROM Mode-1 data disc CD-ROM Mode-2 data disc

CD Audio disc CD-Extra CD-RW CD-R Photo CD CD-I CD-DA

DVD+/-R

DVD-RAM

DVD

Capacity **DVD-ROM**

DVD-SL 4.7 GB/side DVD-DL 8.5 GB/side

Double Sided 9.40 GB 4.7 GB/side

DVD +/-RW DVD+R DL DVD-R DL

> Ver.1.1, 120 mm 2.6 GB/side Double Sided 5.2 GB

> Ver. 2.2. 120 mm 4.7 GB/side

CD-ROM Mode-1 650 MB (550 MB) Mode-2 742 MB (640 MB)

2,048 bytes

Mode-1 CD 2048, 2352 bytes

> Mode-2 Form1 2048, 2328, 2336, 2340, 2352 bytes

> Mode-2 Form2 2328, 2336, 2340,

2352 bytes

4.7 GB/side

8.5 GB/side

8.5 GB/side

Diameter 120 mm, 80 mm (with adapter at vertical mounting mode)

Loading Mechanism Interface Access Times (typical) Tray type SATA 1.5

Block Size

Random DVD-ROM < 130 ms, CD-ROM < 120 ms

Full-Stroke DVD-ROM < 240 ms, CD-ROM < 200 ms **DVD-ROM** Read Up to 16X

DVD+R/-R Read/Write Up to 16X Read DVD+R DL/-R DL Up to 12X DVD+R DL/-R DL Write Up to 8X DVD+RW Read/Write Up to 8X **Data Transfer Rate DVD-RW** Read Up to 8X (sustained) Write **DVD-RW** Up to 6X Read/Write Up to 5X **DVD-RAM** Up to 40X Read CD-ROM

CD-R Read/Write Up to 40X CD-RW Write Up to 24X

Cache Buffer 0.5MB (Minimum)

Spin-up Time (typical)less than 10 seconds (not including tray in)MTBF125,000 Power On Hours (POH), 25% Duty CycleAmbient TemperatureOperating41° to 122°F (5° to 50°C)Storage-22° to 140°F (-30° to 60°C)

Relative Humidity Operating 10% to 90%

Storage 5% to 95%

HPE Slim SATA DVD RW Optical Drive (including Jackblack)

Shipping Dimensions

3.97 x 7.81 x 10.75 in (10.08 x 19.84 x 27.31 cm)

 $(H \times W \times D)$

Drive Dimensions 0.5 x 5.2 x 5.45 in (1.27 x 13.2 x 13.8 cm)

 $(H \times W \times D)$

Device Type DVD+/-RW Drive (Super-Muilti Drive)

Disk Applicable Disk DVD-ROM

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

CD-ROM Mode-1 data disc CD-ROM Mode-2 data disc

CD Audio disc CD-Extra CD-RW CD-R Photo CD CD-I CD-DA

Capacity DVD-ROM DVD-SL 4.7 GB/side

DVD-DL 8.5 GB/side Double Sided 9.40 GB

 DVD+/-R
 4.7 GB/side

 DVD+/-RW
 4.7 GB/side

 DVD+R
 DL
 8.5 GB/side

 DVD-R
 DL
 8.5 GB/side

 DVD-RAM
 Ver.2.2, 120 mm
 4.7 GB/side

CD-ROM Mode-1 650 MB (550 MB)

Mode-2 742 MB (640 MB)

Block Size DVD 2,048 bytes

CD Mode-1 2048 bytes

Mode-2 Form1 2048, 2352 bytes

Mode-2 Form2 2352 bytes

Diameter 120 mm, 80 mm (with adapter at vertical mounting mode)

Loading Mechanism

Access Times (typical)

Tray type Manual Load

Interface SATA 1.5

Random DVD-ROM < 120 ms, CD-ROM < 110 ms

Full-Stroke DVD-ROM < 250 ms, CD-ROM < 210 ms

Data Transfer Rate DVD-ROM Read Up to 8X

DVD+R/-R Read/Write Up to 8X DVD+RW Read/Write Up to 8X **DVD-RW** Read Up to 8X Write **DVD-RW** Up to 6X DVD+R DL/-R DL Read Up to 8X DVD+R DL/-R DL Write Up to 6X DVD-RAM Read/Write Up to 5X CD-ROM Read Up to 24X

CD-ROM Read Op 10 24X
CD-R/-RW Read/Write Up to 24X

Cache Buffer 0.5MB (Minimum) **Spin-up Time** (typical) less than 15 seconds

MTBF35,000 Power On Hours (POH), 25% Duty CycleAmbient TemperatureOperating41° to 122°F (5° to 50°C)

Storage -22° to 140°F (-30° to 60°C)

Relative Humidity Operating 10% to 80% (non-condensing) Storage 5% to 90%

HPE 9.5mm SATA DVD RW Optical Drive (including Jackback)

Shipping Dimensions

3.97 x 7.81 x 10.75 in (10.08 x 19.84 x 27.31 cm)

 $(H \times W \times D)$

Drive Dimensions $(H \times W \times D)$

0.37 x 5.1 x 5.2 in (9.5 x 130 x 132 mm)

Device Type

Disk

DVD+/-RW Drive (Super-Muilti Drive)
Applicable Disk DVD-ROM

DVD-R DVD-R DL DVD-RW DVD+R DVD+R DL

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

CD-ROM Mode-1 data disc CD-ROM Mode-2 data disc

CD Audio disc CD-Extra CD-RW CD-R Photo CD CD-I

CD-DA

Capacity DVD-ROM DVD-SL 4.7 GB/side

			DVD-DL	8.5 GB/side	
			Double Sided	9.40 GB	
		DVD+/-R		4.7 GB/side	
		DVD+/-RW		4.7 GB/side	
		DVD+R	M-Disc	4.7 GB/side	
		DVD+R	DL	8.5 GB/side	
		DVD-R	DL	8.5 GB/side	
		DVD-RAM	Ver. 2.2, 120 mm	4.7 GB/side	
		CD-ROM	Mode-1	650 MB (550 MB)	
			Mode-2	742 MB (640 MB)	
	Block Size	DVD		2048 bytes	
		CD	Mode-1	2048 bytes	
			Mode-2 Form1	, 2048, 2352 bytes	
			Mode-2 Form2	2352 bytes	
	Diameter	120 mm, 80 mm (with adapter at vertical mounting mode)			
Loading Mechanism	Tray type Manual Load		·		
Interface	SATA 1.5				
Access Times (typical)	Random	DVD-ROM < 160 ms, CD-ROM < 140 ms			
	Full-Stroke	DVD-ROM < 300 ms, CD-ROM < 275 ms			
Data Transfer Rate	DVD-ROM	Read	Up to 8X		
	DVD+R/-R	Read/Write	Up to 8X		
	DVD+RW	Read/Write	Up to 8X		
	DVD-RW	Read	Up to 8X		
	DVD-RW	Write	Up to 6X		
	DVD+R DL/-R DL	Read	Up to 8X		
	DVD+R DL/-R DL	Write	Up to 6X		
	DVD-RAM	Read/Write	Up to 5X		
	CD-ROM	Read	Up to 24X		
	CD-R	Read/Write	Up to 24X		
	CD-RW	Write	Up to 16X		
Cache Buffer	0.5 MB (Minimum)				
Spin-up Time (typical)	less than 15 seconds				
MTBF	35,000 Power On Hours (POH), 25% Duty Cycle				
Ambient Temperature	Operating	41° to 122°F (5° to 50°C)			
	Storage	-22° to 140°F (-30° to 60°C)			
Relative Humidity	Operating	10% to 80%			
(non-condensing)	Storage	5% to 90%			

Environment-friendly Products and Approach and Recycling

End-of-life Management Hewlett Packard Enterprise offers end-of-life Hewlett Packard Enterprise product return, trade-in, and recycling programs in many geographic areas. For trade-in information, please go

> to: https://www.hpe.com/us/en/about/environment/product**recycling.html**. To recycle your product, please go

to: https://www.hpe.com/us/en/about/environment/product**recycling.html** or contact your nearest Hewlett Packard Enterprise sales office. Products returned to Hewlett Packard Enterprise will be recycled, recovered, or disposed of in a responsible manner.

The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the

Hewlett Packard Enterprise web site

at: https://www.hpe.com/us/en/about/environment/product-recycling.html. These instructions may be used by recyclers and other WEEE treatment facilities as well as HPE OEM customers who integrate and re-sell Hewlett Packard Enterprise equipment.

Summary of Changes

Date	Version History	Action	Description of Change	
24-Oct-2018	Version 21	Changed	Rebranded	
09-Sep-2014	Version 20	Changed	Added a new model.	
		Added	Updated What's New, Compatibility and Technical Specifications	
12-Jul-2013	Version 19	Changed	-Compatibility was revised in Overview	
			-Applicable Disk and Capacity were revised in Technical Specifications	
27-Jun-2013	Version 18	Changed	Model descriptions, Compatibility, and Technical Specifications were revised.	
06-Mar-2012	Version 17	Changed	Changes were made throughout for new models.	
23-Jun-2011	Version 16	Changed	Link was corrected in Service and Support.	
20-Jun-2011	Version 15	Removed	Mentions of StorageWorks were removed.	
05-Apr-2011	Version 14	Added	HP ProLiant ML110 G7 and DL120 G7 were added to Compatibility.	
05-Oct-2010	Version 13	Changed	-Warranty was moved into the Overview	
			-Cache Buffer was revised in Technical Specifications	
			-HP ProLiant DL980 G7 was added to HP Slim SATA DVD RW Optical Drive	
			Compatibility	
			-Service and Support section was added	
16-Jul-2010	Version 12	Changed	-URL for HP Care Pack Information was changed in Service and Support, HP	
			Care Pack, and Warranty Information	
			-Cache Buffer was changed to 1.5 MB in HP Half-Height SATA DVD RW	
			Optical Drive in Technical Specifications	
			-HP ProLiant DL580 G7 and DL585 G7 were added to HP Slim SATA DVD	
			RW Optical Drive Compatibility	
27-Apr-2010	Version 11	Added	HP ProLiant DL380 G7 and DL385 G7 were added to HP Slim SATA DVD	
			Optical Drive.	
29-Mar-2010	Version 10	Added	HP ProLiant DL165 G7 was added to HP 9.5mm DVD RW Optical Drive.	
16-Nov-2009	Version 9	Changed	HP ProLiant ML110 G6, ML350 G6, DL120 G6 and DL160se G6 were added	
			and HP ProLiant ML115 G6, ML150 G5 and ML310 G5 were removed from	
			Compatibility.	
02-Jun-2009	Version 8	Added	HP ProLiant ML330 G6 Server to HP Half-Height SATA DVD RW Optical	
			Drives and HP ProLiant DL385 G6 Server to HP Slim SATA DVD RW Optical	
	<u> </u>		Drive in the Compatibility section.	
27-Apr-2009	Version 7	Added	HP ProLiant DL160 G6, DL180 G6, DL320 G6, DL370 G6, DL380 G6 and	
			DL385 G6 Servers and HP ProLiant ML115 G6, ML150 G6, ML310 G5p,	
			ML360 G6 and ML370 G6 Servers to Compatibility in the Overview section.	
26-Jan-2009	Version 6	Added	HP 9.5mm SATA DVD RW Optical Drive throughout the QuickSpec.	
08-Dec-2008	Version 5	Added	HP ProLiant DL580 G5 was added to the Compatibility list.	
14-Jul-2008	Version 4	Changed	The QuickSpecs was rewritten to include the HP Slim SATA DVD RW Optical	
74.14.0000	1,7		Drive throughout. NOTE that the title has changed.	
31-Mar-2008	Version 3	Changed	HP ProLiant ML115 was changed from G2 to G5 in HP Half-Height SATA	
		A 1 1 1	DVD RW Optical Drive in the Compatibility section.	
		Added	HP ProLiant ML350 G5 was added to HP Half-Height SATA DVD RW Optical	
1 / Nav. 2007	\/	Charrie	Drive in the Compatibility section.	
14-Nov-2007	Version 2	Changed	The title of the document was updated.	
12-Nov-2007	Version 1	Created	New QuickSpecs	



Summary of Changes



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