

LF-D103U Internal DVD-RAM Drive



Panasonic's LF-D103U DVD-RAM drive ushers in a new era for rewritable optical storage. Many innovations have been incorporated to produce an extremely reliable, high performance storage solution. All of these innovations combine to give a single-sided recording capacity of 2.6 GB and a double-sided capacity of 5.2 GB. Additionally, the built-in error correction, embossed address bits, wobbled track recording and other features make DVD-RAM a highly reliable media.

DVD-RAM is the choice for rewritable, removable data storage providing many benefits such as:

- Less than 1 cent per MB media cost
- Over 30 years media shelf life
- 8 times the capacity of CD-R/CD-RW
- Fast data access & data transfer
- Reads DVD and CD discs

The LF-D103U comes with necessary mounting hardware and easy to install and use software for Windows 95/98 and Windows NT:

- Windows 95/NT 4.0 device driver
- UDF installable file system
- MPEG1 real-time encode/decode software
- Backup software and Utility software

One 2.6 GB single-sided DVD-RAM disc (LM-DA26U) is also included.

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O n l i n e S p e c S h e e t

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www.panasonic.com/storage

DVD-RAM Drive

Interface	SCSI-2	
SCSI Connector Type	50-pin ribbon connector	
Media Support	Read/Write	DVD-RAM, PD
	Read Only	DVD-ROM, DVD VIDEO ¹ , DVD-R ^{2,3} , CD-DA ⁴ , CD-ROM (Supports XA), Photo CD (Supports multisession), Video CD, CD-EXTRA, CD-R/RW ^{3,5}
Seek Time	DVD-RAM	120 ms
	DVD-ROM	85 ms
	PD	85 ms
	CD-ROM	85 ms
Sustained Data Transfer Rate	DVD-RAM	1,385 KB/sec
	DVD-ROM	2,770 KB/sec (2x)
	PD	518 - 1,141 KB/sec
	CD-ROM	Up to 3,000 KB/sec (20x)
Buffer Memory	2 MB	
Audio Output Level	Headphone Jack	0.30 Vrms (32Ω)
	Line Out	0.8 Vrms (47Ω)
Drive Orientation	Horizontal / vertical	
MTBF	125,000 POH	
Power Requirements	DC +5 V / +12 V ±5%	
Current Consumption	DC +5 V	1.4A (Max.)
	DC +12 V	0.7A (Max.)
Operating Temperature	41°F - 95°F (5°C - 35°C)	
Operating Humidity	10% - 80% RH	
Dimensions (W x H x D)	5.7" x 1.6" x 7.7"	
Weight	2.2 lbs. (1.0kg)	
Warranty	Limited one year parts & labor 1 Year Express Exchange	
Technical Support	1-800-PANASYS (1-800-726-2797) www.panasonic.com/office/techsupport.html	

¹ An MPEG decoder board (not included) or MPEG2 decoder software (not included) is also necessary to play DVD-VIDEO discs.

² Supports discs with a capacity of 3.95 GB that are written with the Disc-at-Once option.

³ Depending on how the disc is written, performance may not match the specified levels.

⁴ CD-G not supported

⁵ Supports MultiRead for CD-R and CD-RW

DVD-RAM Media

Model Number	LM-DB26U	LM-DA52U	LM-DA26U
Capacity (Unformatted)	2.6 GB (single-sided)	5.2 GB (double-sided)	2.6 GB (single-sided)
Cartridge Type	Type 2 Disc can be removed from cartridge	Type 1 Disc cannot be removed from cartridge	Type 1 Disc cannot be removed from cartridge
Disc Type	Phase-change rewritable		
Disc Diameter/Thickness	4 3/4" (120 mm) / 1/16" (1.2 mm)		
Sector Size	2,048 Bytes		
Block Size	32 KB		
Sectors/Track	17 - 40 (ZCLV)		
Tracks/Side	45,701		
Track Pitch	0.74 μm		
Operating Temperature	41°F - 140°F (5°C - 60°C)		
Operating Humidity	3% - 85% RH		
Dimensions (W x H x D)	4.9" x 0.3" x 5.4"		
Weight	Approximately 0.2 lbs (75g)		