



DISK LIBRARY FOR MAINFRAME SPEC SHEET



Disk Library for
mainframe (DLm)
model 8100



Disk Library for
mainframe (DLm)
model 2100

The EMC® Disk Library for mainframe addresses the challenges of the mainframe data center with the broadest options for cloud connectivity, delivering industry-leading performance and availability to tape operations, while working seamlessly with current host software and applications. Disk Library for mainframe offers two models; the DLm2100 and the larger DLm8100 for customers that require more FICON channel connectivity, throughput or total Virtual tape storage capacity. The DLm8100 is the only Virtual Tape storage system on the Market to offer EMC Universal Data Consistency™ for applications like DB2 database backup that demand tape application data as well as log data is synchronized with DASD at all times.

As of release 4.5, in addition to private and public cloud connectivity, DLm incorporates GDDR (Geographically Dispersed Sysplex) technology for automated tape failover and disaster recovery testing, support for the new Data Domain models 9800 and 9300, data Domain High Availability (HA) DLm is KMIP external key management compliant

The DLm8100 can be configured with VMAX storage, either VNX7600 or VNX5400 storage (as of release 4.3), the Data Domain DD9500 (as of release 4.4 or DD7200 (as of release 4.3) or a combination of two models of VNX and DD storage. The DLm8100 provides massive scalability and can support up to eight VTEs.

Review the [EMC Disk Library for Mainframe Data Sheet](#) for a more detailed description of these new features.

Disk Library for mainframe combines mainframe tape emulation with RAID 6 protected disk storage, hot-standby disks, deduplication, and hardware compression. All are essential capabilities to provide your mainframe tape environment with a high-capacity and performance-oriented solution in the smallest possible footprint.

Disk Library for mainframe connects directly to IBM mainframes via Virtual Tape Engines (VTE) using FICON channels, and it appears to the mainframe operating system as standard IBM tape drives. All tape commands are supported by the Disk Library for mainframe and respond as real tape drives, so existing work processes and applications can run without any modifications. With Disk Library for mainframe, the retrieval time of information is reduced from minutes via tape to just seconds via disk.

Specifications

DISK LIBRARY FOR MAINFRAME CONNECTIVITY

Type: Multi-mode or single-mode 8Gb FICON

Number of VTEs (min/max): 1/8

Number of FICON ports (min/max): 1/16

DRIVE INTERFACE

Disk Drives: 2 TB (3TB or 4TB orderable for VNX or Data Domain® storage used with the DLM8100)

Form Factor: 3.5"

Height: 1.0"

Rotational Speed: 7,200 rpm

Interface: SAS (EMC VMAX and VNX) or SATA II (EMC Data Domain®)

Data Buffer: 32 MB

Power Watts (maximum): 12.15

SOFTWARE

EMC Data Domain Operating System (DDOS) 5.0 or later

EMC Virtuent™ 7 software

IBM z/OS, z/VM, z/VSE, TPF and UNISYS OS2100 operating systems supported

DLm2100 DIMENSIONS (APPROXIMATE) *

CONFIGURATION	EIA UNITS	HEIGHT (IN/CM)	WIDTH (IN/CM)	DEPTH (IN/CM)	MAX. WEIGHT (LB/KG)
WITH VNX	19" x 40U	76.66/194.7	24.02/61	41.88/106.4	1,269/576.8
WITH DD	19" x 2U	3.45/8.75	16.93/43	26.46/67.2	80/36.3

All dimensions are cabinet/enclosure size without shipping brackets or securing blankets.

DLm2100 POWER

	FREQUENCY	AC VOLTAGE	POWER CONSUMPTION WATTS (MAXIMUM)	HEAT DISSIPATION BTU/HR. (MAXIMUM)
DLM2100	50-60 Hz	200–240 VAC +/- 10% Single- phase	3,600	11,500
WITH VNX		200–240 VAC +/- 10% Single- phase		
WITH DD	50-60 Hz	200–240 VAC +/- 10% Single- phase	374	1,675

DLm8100 DIMENSIONS (APPROXIMATE) *

Model	EIA Units	Height (in/cm)	Width (in/cm)	Depth (in/cm)	Max. Weight (lb/kg)
With VMAX					
VTEC Bay	19"x 40U	76.66'/194.7	24.02/61	41.88/106.4	1,108/502.6
Storage Controller Bay	19"x 40U	76.66'/194.7	24.02/61	41.88/106.4	942.4/426.5
VMAX Bay	19"x 40U	76.66'/194.7	24.02/61	41.88/106.4	2,774/1258.3
Storage Bay	19"x 40U	76.66'/194.7	24.02/61	41.88/106.4	2,144/972.5
With VNX or DD					
VTEC Bay	19"x 40U	76.66'/194.7	24.02/61	41.88/106.4	998/453.6
VNX Bay	19"x 40U	76.66'/194.7	24.02/61	41.88/106.4	1,330/603.3
Storage Bay	19"x 40U	76.66'/194.7	24.02/61	41.88/106.4	1,400/636.4
Data Domain Bay	19"x 40U	76.66'/194.7	24.02/61	41.88/106.4	998/453.6

All dimensions are cabinet/enclosure size without shipping brackets or securing blankets

When trim kit is unattached, bay height is 74.90 inches (190.25 cm).

DLm8100 POWER

With VMAX	Frequency	AC Voltage	Power Consumption Watts (maximum)	Heat Dissipation BTU/hr. (maximum)
VTEC Bay	50-60 Hz	200–240 VAC +/- 10% Single- phase	3,782	12,987
Storage Controller	50-60 Hz	Same	4,580	15,600

Bay				
VMAX Bay	50-60 Hz	Same	7,800	26,300

The data about weight and power is based on fully configured systems and includes VTEs, disk drives, switches and all other storage array components. The exact power and weight requirement is based on the actual Disk Library for mainframe configuration based on the number of VTEs and capacity.

ELECTROMAGNETIC EMISSIONS AND IMMUNITY

FCC Class A EN55022 Class A

CE Mark

VCCI Class AA (for Japan)

ICES-003 Class A (for Canada) Immunity, ITE

AZ/NZS, CISPR22, Class A (for

Australia/New Zealand) EN55024

SAFETY

UL 60950; CSA C22.2-60950; IEC 60950, TUV, GOST, IRAM

QUALITY STANDARD

Manufactured under an ISO 9000-registered quality system.

DELL EMC DISK LIBRARY FOR mainframe



[Click here](#) to see features, options, and additional information

