DELL Technologies

Disk Library for
mainframe DLm2700

Disk Library for
mainframe DLm8700

DISK LIBRARY FOR MAINFRAME SPEC SHEET

RELEASE 7.0

Dell Technologies Disk Library for mainframe best addresses the toughest challenges facing tape storage in the mainframe data center with features the leading competitor doesn't offer. Features like data deduplication and high availability in a single frame. DLm also offers the broadest options for FICON & cloud connectivity, delivering industry-leading performance and availability for tape operations, while working seamlessly with current host software and tape applications. Disk Library for mainframe consists of two models: DLm2700 and DLm8700. DLm2700 is a single, 2u virtual tape engine, ideal for small to midsize datacenters. DLm8700 scales from a single frame with a minimum of two virtual tape engines and storage for small datacenters to a 42U high frame containing up to eight VTEs supporting additional frames for petabytes of storage for very large enterprises. DLm8700 is the only Virtual Tape storage system in the Market to offer Dell Universal Data Consistency™ for applications like DB2 database backup that demand tape application data as well as log data is always synchronized with DASD.

Since release 5.0, in addition to cloud connectivity, DLm8700 began incorporating GDDR Tape (Geographically Dispersed Disaster Restart for Tape) technology for automated tape failover and disaster recovery testing, PowerProtect Data Domain High Availability (HA) and KMIP external key management compliance.

DLm8700 provides massive scalability and 32Gb FICON connectivity using one to eight Virtual tape Engines to support up to 32 FICON channels.

The DLm8700 can be configured with up to four PowerProtect DD models and up to two PowerMax 2500 or 8500 as well as existing PowerMax 8000.

DLm8700 can also be configured with up to two Isilon F800, F810, H600, H5600, H400, H500, A200, A2000 and PowerScale F200, F600.

The DLm2700 can be configured with one PowerProtect DD DD9910, DD9900, DD9800, DD9410, DD9400, DD9300

Dlm2700 supports Isilon F800, F810, H600, H5600, H400, H500, A200, A300, A2000, A3000 and PowerScale F200, F210, F600,F710, F800,F900 and F910 models of storage. Additionally, the model 2700 also support Data Domain Virtual Edition (DDVE).

Refer to the Dell Technologies [Disk Library for Mainframe Data Sheet](#) for a more detailed description of DLm 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 32Gb FICON

Number of VTEs, DLm2700: one

Number of FICON ports, DLm2700: 2

Maximum number of VTEs allowed DLm2700: 1

Maximum number of FICON DLm2700 ports: 2

Number of VTEs, DLm8700 (min / max): 2 / 8

Number of FICON ports, DLm8700 (min / max): 4 / 32

DRIVE INTERFACE

Disk Drives: PowerProtect DD6900 available with 3 or 4TB drives only

PowerProtect DD9400 or DD9900 available with 8TB drives only

Data Domain DD6300 DD6800 DD9300 DD9800 are available with 3TB or 4TB drives only

NVMe Drives Supported (2.5") 1.92 TB, 3.84 TB, 7.68 TB for PowerMax® Storage

Form Factor: 3.5"

Height: 1.0"

Rotational Speed: 7,200 rpm

Interface: SAS or SATA II (Dell PowerProtect / Data Domain®), or FC (PowerMax)

Data Buffer: 32 MB

Power Watts (maximum): 12.15

SOFTWARE

Dell Technologies Data Domain Operating System (DDOS) 6.0 or later

Dell Technologies Virtuent™ 9 software

IBM z/OS, z/VM, z/VSE, TPF (DLm8700 only) and UNISYS OS2200 operating systems supported

DLm2700 VTE DIMENSIONS (APPROXIMATE)*

Component	EIA Units	Height (in/cm)	Width (in/cm)	Depth (in/cm)	Max. Weight (lbs./kg)
DLm2700	19" x 2U	3.42/ 8.68	17.09/43.40	28.99/73.63	79.60/36.24

* Depth is measured from chassis ear to PSU handle

DLm8700 VTE DIMENSIONS (APPROXIMATE)*

Component	EIA Units	Height (in/cm)	Width (in/cm)	Depth (in/cm)	Max. Weight (lbs./kg
DLm8700	19" x 2U	3.42/ 8.68	17.09/43.40	28.99/73.63	64.60/29.30

* Depth is measured from chassis ear to PSU handle

DLm8700 RACK DIMENSIONS (APPROXIMATE)*

Component	EIA Units	Height (in/cm)	Width (in/cm)	Depth (in/cm)	Max. Weight (lbs./kg)
VTEC Bay Full	19"x 42U	78.40/199.16	23.60/60.00	47.24/120.00	1213.00 / 550.21

*Depth includes front door and rear door

DLm2700 VTE POWER, 25º C

	Frequency	AC Voltage	Power Consumption (Watts max.)	Heat Dissipation BTU/hr. (maximum)
VTE	50-60 Hz	200 – 240 VAC +/-10% L-L nom	420	1,433

DLm8700 VTE POWER, 25º C

	Frequency	AC Voltage	Power Consumption (Watts max.)	Heat Dissipation BTU/hr. (maximum)
VTE	50-60 Hz	200 – 240 VAC +/-10% L-L nom	794	2,709

DLm8700 FULL BAY* POWER, 25º C

	Frequency	AC Voltage	Power Consumption (Watts max.)	Heat Dissipation BTU/hr. (maximum)

VTE	50-60 Hz	200 – 240 VAC +/-10% L-L nom	7,606	25,952

*VTEC Bay Full includes 8 VTEs, 2 Data Switches, 2 Management Switches, 2 FC Switches

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).

Weight and power data 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.

Dell Technologies Disk Library for mainframe

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

ELECTROMAGNETIC EMMISSIONS 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.

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