

MDL-100S

Technical Specifications

The Mainframe Data Library-100S is Bus-Tech's Virtual Tape Library for small to medium-sized mainframe tape environments. The MDL-100S provides a complete Virtual Tape Library including RAID protected storage in a single 2U rack mount server. The MDL-100S is powered by Bus-Tech's Virtuent software engine. The MDL-100S provides 1 or 2 FICON or 1, 2, or 3 ESCON interfaces for attachment to the mainframe and emulates up to 32 tape devices. The MDL-100S offers 9 TBs of usable storage, which at a 3 to 1 compression ratio yields over 25 TBs for tape data storage. This is the equivalent of over 12,500 fully-utilized 3490E cartridges.

Devices Emulated 3480 / 3490 / 3590 (IBM and compatible)

Number of Emulated Devices 32

Channel Interfaces

FICON (4Gb)

ESCON

Min (Max) / Type

1 (2) / (multi-mode or single mode)

1 (3)

Administrative Ports

Gigabit Ethernet

Min (Max) / Type

2 (2) / RJ-45 Cat 6

Other

External Serial Attached SCSI

Type

1 Mini-SAS (SFF-8088)

(Used to attach IBM TS2900 LTO-4 Autoloader with Virtuent Backup Software)

Physical Attributes

Dimensions

3.45" (87.5mm) H (2U) x 16.93" (430mm) W
x 26.46" (672mm) L

Weight

80 lbs (36.3 kg)

Power Requirements

1.7 Amps @ 240 Volts (374 Watts)

Cooling

1,675 BTU / hour

Warranty and Services

Warranty/Basic Support

Monday through Friday 8:00 AM to 5:00 PM
(eastern US) phone support. Next day parts

replacement or repair. 1st Year Included with System Purchase. Extendable in 1 year increments.

Enhanced Support

Extends Basic Support to 24 x 7 phone support. Next day parts replacement or repair. Extendable in 1 year increments.

Premium Support

Extends Standard Support to include on-site parts replacement or repair within 4 or 24 hours depending on location. Extendable in 1 year increments.

Installation Services

On-site installation of MDL.

Operating Environment

Temperature

Operating

+10°C to +35°C

Non-Operating

- 40°C to + 70°C

Humidity (Non-operating)

90% non-condensing at 28°C

Mainframe Operating System Support

z/OS, z/VM, or VSE

Optional Features

2nd FICON Interface

An additional FICON interface of the same type (single mode or multi mode) may be added.

2nd and 3rd ESCON Interface

One or two additional ESCON interfaces may be added.

Virtuent Replicator

IP-based replication software that will periodically replicate the VTL to a remote MDL or Network Attached Server (NAS).

Virtuent Backup

Software that will backup the VTL to an IBM TS2900 attached directly to the MDL.

Virtuent Mainframe Tape

Allows attachment of a single tape drive (3952 or TS1120) for data exchange in native mainframe tape format.