

## 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 4.5 TBs of usable storage, which at a 3 to 1 compression ratio yields over 13 TBs for tape data storage.

**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/Standard Support

24 x 7 phone support. Next day parts replacement or repair. 1st Year Included with System Purchase. Extendable in 1 year increments.

### On-Site 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

### 2<sup>nd</sup> FICON Interface

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

### 2<sup>nd</sup> and 3<sup>rd</sup> ESON 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.