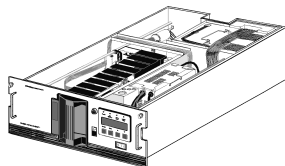


### MODELS

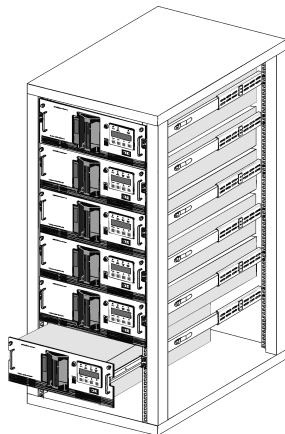
#### TL891 Base Library Unit MiniLibrary Expansion Unit MiniLibrary Data Unit

Each library installation will require, (1) library system, (1) geographically specific localization kit, (1) differential SCSI cable for each DLT drive pair, and up to 10 pieces of DLT media with bar code labels for each TL891 module. Multiple configurations will require additional pass-through kits.

The minimum orderable configuration consists of a single library system (for instances where customer already has the necessary SCSI cables, power cord, and media). Installation services may also be ordered for customers who want to have a certified Compaq Engineer perform an on-site library installation.



Compaq StorageWorks™  
TL891 Library



Compaq StorageWorks TL891  
Multi-Module Configuration

#### High-Capacity Unattended Backup and Restore

The TL891 can provide years of fully automated operation for backup, save and restore, and hierarchical storage management of critical data when coupled with a wide array of qualified industry-standard backup applications.

The TL891 is offered as a standalone tabletop unit or as a scalable / stackable rack mount unit, with a removable 10 cartridge magazine, and integral bar code reader and either one or two Compaq DLT 35/70 drives.

#### Capacity, Performance and Scalability

The TL891 is built on a modular concept, offering unparalleled scalability and the ability to custom configure a rack mount solution to meet specific performance and capacity requirements. The TL891 product solution is based on three distinct modules: the TL891 MiniLibrary Base Unit, the MiniLibrary Expansion Unit, and the MiniLibrary Data Unit. The TL891 solution can be configured as a single device or a multi-module device, using up to (6) six modules in a single rack configuration.

#### TL891 MiniLibrary Base Unit

The TL891 base unit can support up to two DLT 35/70 drives, offering up to 10 MB/s of native performance. With 10 data cartridges, the TL891 base unit offers 700 GB of compressed storage capacity in a small 4U height.

#### MiniLibrary Expansion Unit

The MiniLibrary Expansion Unit assumes control over all attached TL891 modules, allowing for the creation of a multi-module virtual library in a single rack mount configuration. It also provides an additional 1.1 TB of capacity (no drives). The Expansion Unit supports up to (5) five additional modules in a single rack mount configuration. With the use of a special pass-through mechanism, all tapes within this multi-module configuration are available to all DLT drives, making a single virtual library.

This true scalability of performance and capacity allows the end user the opportunity to configure the device to meet their specific requirements, as well as offers a "pay as you grow" solution for easy capital management. The multi-unit configuration can also be disassembled at any time and each module redeployed independently to meet changing corporate backup strategies.

#### MiniLibrary Data Unit

The MiniLibrary Data Unit is a 16-cartridge, rack mount module that provides for additional capacity (up to 1.1 TB of compressed storage) in a TL891 multi-module configuration.

#### Proven Reliability

Using DLT tape drives, and proven robotics with a rating of 500,000 load/unload cycles, the TL891 is one of the most reliable mini-libraries in the industry.

#### Proven DLT Technology

Digital Linear Tape uses a proven linear recording technology, a highly accurate tape guide system, and a read after write LZ correction system to provide high-capacity, high reliability data backup and restoration. DLT has fast become the industry-standard secondary storage tape format for departmental and enterprise backup. The Compaq 35/70 DLT drives used in the TL891 can read previous versions of DLT cartridges (DLT tape IV, DLT tape IIIxt and DLT tape III).

#### Manageability

The TL891 library configurations are fully supported through Compaq Insight Manager 4.40, providing information to administrators for both robotic and tape status changes. Other data and automation manageability features are provided via specific third party applications software packages.

#### O/S Support

Windows NT v4.0 and 2000  
Novell NetWare v4.11  
Novell NetWare v4.2  
Novell NetWare v5.0  
Tru64Unix v4.0e , 4.0f and 5.0a  
Open VMS v7.1-2 and 7.2-1

## Server Support

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### **High-End ProLiant<sup>™</sup> Servers**

ProLiant 8500  
ProLiant 8000  
ProLiant 7000  
ProLiant 6500  
ProLiant DL580/ 6400R  
ProLiant 6000

### **Departmental ProLiant Servers**

ProLiant ML570/5500R  
ProLiant 5500  
ProLiant 3000 Pentium II  
ProLiant 3000

### **Workgroup ProLiant Servers**

ProLiant DL380/1850R  
ProLiant ML370/ 600  
ProLiant ML350/800

### **Compaq Alpha Servers**

AlphaServer GS320, GS160, GS80  
AlphaServer GS140/8400, AlphaServer GS60/8200  
AlphaServer ES 0/4100 , AlphaServer 4000  
AlphaServer 2000, AlphaServer 2100, AlphaServer 2100A  
AlphaServer DS20/1200, 1000A  
AlphaServer DS10

### **SCSI Controllers**

#### *ProLiant Servers*

Compaq Library Adapter Dual Channel Ultra HVD 157299-B21

#### *AlphaServers*

Compaq StorageWorks KZPSA-BB  
Compaq StorageWorks KZPBA-CB

## Application Support

### Compaq supports the following backup/restoration applications software packages:

Veritas Backup Exec™ v8.0 for Windows NT  
 Computer Associates ARCserve®/T v6.61 Windows NT  
 Legato NetWorker v5.5 for Windows NT (Intel and Alpha)  
 Seagate Software Backup Exec v8.5 for NetWare  
 Computer Associates ARCserve/T v6.6 for NetWare  
 Legato NetWorker (NSR) v4.4 for Tru64™ UNIX  
 Veritas NetBackup v3.1 for Tru64 UNIX  
 TruCluster for Tru64 Unix 4.0D  
 Storage Library System (SLS) v2.9B for OpenVMS  
 Archive/Backup System (ABS) v2.2 for OpenVMS

### Automation and Network Utilities

Media Robot Utility (MRU) v1.3 and above  
 Compaq Insight Manager v4.40 and above

### The following backup/restoration applications software packages are qualified and supported by the ISV:

Tovili TSMv 3.1.1.2 for Windows NT  
 Legato NetWorker v5.1 for Sun Solaris  
 Veritas NetBackup v3.1 for Sun Solaris  
 Tivoli TSM v3.1.1.2 for Sun Solaris  
 Legato NetWorker v5.1 for IBM-AIX  
 Tivoli TSM v3.1.1.2 for IBM-AIX

## Warranty

(3-1-1) Three year warranty, first year, on-site next day response

**Note:** Certain restrictions and exclusions apply. Consult the Compaq Customer Support Center for details. In Canada, consult the Product Information Center at 1-800-567-1616 for details.

## SPECIFICATIONS

<b>Control Panel</b>	Library and Drive Status Move tape cartridges Load/Unload tape drives Maintenance (drive cleaning, diagnostics) Library Configuration Statistics
<b>SCSI Interface</b>	Fast Wide Differential, SCSI-2, 68HD
<b>Form Factor</b>	Rack Mount (RETMA, Metric) Table Top
<b>Dimensions (HxWxD)</b>	
Height	6.97 in/17.7 cm 4U Rack Height
Width	170 in/43.18 cm
Depth	Overall, 23.75 in/60.35 cm
Behind panel	22.75 in/57.79 cm
<b>Unit Weight</b>	
TL891 Base Unit	
Single Drive	48 lbs/22 kg
Dual Drive	62 lbs/28 kg
Expansion Unit	41 lbs/20 kg
Data Unit	41 lbs/20 kg
<b>Capacity (native)</b>	
TL891 Base Unit	350 GB
Expansion Unit	560 GB

### SPECIFICATIONS *(continued)*

<b>Performance (native)</b>	5 MB/s per drive
TL891 Base Unit	Supports 1 or 2 35/70 DLT drives for native transfer rates up to 36 GB/hr
Maximum Configuration (6 modules)	Supports 10 x 35/70 DLT drives for native transfer rates up to 180 GB/hr
<b>Storage Capacity (compressed @ 2:1)</b>	70 GB per cartridge
TL891 Base Unit	Supports 10 DLT IV cartridges for compressed capacity up to 700 GB
Expansion Unit	Supports 16 DLT IV cartridges for compressed capacity up to 1.12 TB
Data Unit	Supports 16 DLT IV cartridges for compressed capacity up to 1.12 TB
Maximum Configuration (6 modules)	Supports up to 4 MiniLibrary Data Units (with one TL891 and one Expansion Unit) for native capacities up to 3.15 TB
<b>Power Consumption</b>	
TL891 Base Unit	115 VAC @ 1.8 A 240 VAC @ 1.2 A
Power Requirement	200W, max
<b>Acoustic Noise</b>	
Noise Power Emission Level	7 bels, max
Avg. Sound Pressure Level	52 dBA
<b>Reliability</b>	
MTBF	280,000 hours (100% duty cycle)
MSBF	1,000,000 load/unload cycles
<b>Product Safety Requirements and Approvals</b>	EN60950 (IEC 950), UL1950, CSA C22.2 950, VDE 0805/11.92 (TUV), EMKO-TSE 207/94 (NEMKO, FIMKO, DEMKO, SEMKO), NOM-019-SCFI-1993, KONKAR, MEEI, GOST, EVPU, SIQ, VCCI Class 1, C-Tick (Class A) SMA AZ/NZS 3548 Class A, BCIQ, CE Marking Directive (93/68/EEC) (Class A), EMC Directive [89/336/EEC], Low Voltage Directive [73/23/EEC]

### COMPAQ INSTALLATION AND CAREPAQS

Additional Warranty protection and/or Compaq Installation packages can be purchased for the TL891 DLT Library products (North American only SKUs shown):

Installation	FM-TLINS-IN
3 yrs, 5 x 9, next day response	FM-TLXHW-36
3 yrs, 5 x 9, 4 hour response	FM-TL4HR-36
3 yrs, 7 x 24, 4 hour response	FM-TL724-36
4 yrs, 5 x 9, next day response	FM-TLXHW-48
4 yrs, 5 x 9, 4 hour response	FM-TL4HR-48
4 yrs, 7 x 24, 4 hour response	FM-TL724-48
5 yrs, 5 x 9, next day response	FM-TLXHW-60
5 yrs, 5 x 9, 4 hour response	FM-TL4HR-60
5 yrs, 7 x 24, 4 hour response	FM-TL724-60

### RELATED OPTIONS

The TL891 solution includes seven separate SKU details:

#### **SKU1 – DLT Library System**

Includes DLT Library device, 1 or 2 drives, bar code reader, removable 10 slot magazine, (1) DLT IV tape, DLT cleaning cartridge, 50 bar code labels, English hardcopy documentation (Installation and User's Guide), translated documentation CD, installation and configuration CD, Compaq Storage Management Solutions kit, MRU and diagnostic software package. Rack mount versions contain mounting rails for Compaq racks, StorageWorks racks, RETMA and Metric racks. MiniLibrary Expansion units include pass through mechanism for multiple configuration installation.

#### **SKU2 – Localization Kit**

Includes local power cord (hardcopy translated documentation - Japan)

#### **SKU3 – Drive Upgrade Kit**

Includes one DLT 35/70 drive for upgrade into single drive TL891 library

#### **SKU4 – Cartridges & Accessories**

Pass-through mechanism kit for multiple module configurations, additional media or additional magazines

#### **SKU5 - SCSI Cable Kits**

For direct SCSI connectivity

#### **SKU6 – Rack Mounting Kits**

For Table Top to Rack Mount device conversion

### DLT Library System

TL891 DLT Library, 1 Drive, Table Top, FWD	120875-B21
TL891 DLT Library, 2 Drives, Table Top, FWD	120875-B22
TL891 DLT Library, 1 Drive, Rack Mount, FWD	120876-B21
TL891 DLT Library, 2 Drives, Rack Mount, FWD	120876-B22
MiniLibrary Expansion Unit	120877-B21
MiniLibrary Data Unit	128670-B21

### Localization Kits

Country Kit, US/Canada/Mexico	349386-001
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### Drive Upgrade Kits

Add-On 35/70 Drive For TL891	120878-B21
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### Cartridges and Accessories

MiniLibrary Pass-Through Mechanism Kit	120880-B21
10-Slot Magazine	120881-B21
DLT IV Data Cartridges, single pack	295194-B21
DLT IV Data Cartridges, 7 pack	295192-B21
DLT Cleaning Cartridge	199704-001

### Host Bus Adapters

<i>ProLiant Servers</i>	
Compaq Library Adapter Dual Channel Ultra HVD	157299-B21
<i>AlphaServers</i>	
Compaq StorageWorks	KZPSA-BB
Compaq StorageWorks	KZPBA-CB

## RELATED OPTIONS *(continued)*

### SCSI Cable Kits

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Wide Differential SCSI cable, 5 m	328215-001
Wide Differential SCSI cable, 10 m	328215-002
Wide Differential SCSI cable, 15 m	328215-003
Wide Differential SCSI cable, 20 m	328215-004
SCSI Cable, VHDCI / W, 6 ft	341176-B21
SCSI Cable, VHDCI / W, 12 ft	341177-B21

### Rack Mounting Kits

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MiniLibrary Table Top to Rack Mount Conversion Kit, Metric/RETMA racks	120882-B21
MiniLibrary Table Top to Rack Mount Conversion Kit, Compaq racks	120883-B21