



TIME NAVIGATOR

Hardware Compatibility Guide
for Time Navigator
September 2017

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Automated Library Management

Drive Support ¹

This guide shows library and drive support with Time Navigator 4.5.x (unless specified otherwise).

Caution: the information below is valid for drives only. The compatibility between the libraries and the operating system is displayed in the “Library Support” table. You need to check both the “Drive Support” and the “Library Support” tables. To ensure support of the backup hardware, the library itself and each kind of drive it uses must be supported by the operating system(s) of the servers(s) it will be connected to.

Disclaimer: the information about drive support hereafter is strictly related to the hardware manufacturers. No support can be assumed for any OEM version that might exist.

¹ WORM technology is not supported except those indicated in the Worm table

Drive Support

●	= available (certified)
○	= available (supported)

Technology	Model	Connection	Worm	HP UX	IBM AIX	SUN Solaris	Linux ²	Mac OS X	Windows	
Disk Drive	Atempo Disk Drive Connection	SCSI		●	●	●	●		●	
		FC		●	●	●	●		●	
9840 StorageTek	9840A	SCSI		●	●	●	●		●	
	9840B	FC		●	●	●	●		●	
	9840C, 9840D	FC		●	●	●	●		●	
9940 StorageTek	9940A	SCSI		●	●	●			●	
	9940B	FC		●	●	●	●		●	
T10000 StorageTek	T10000-A	FC		●	●	●	●		●	
T10000 StorageTek	T10000-B, T10000-C	FC		○	○	○	○		●	
T10000 StorageTek	T10000-D	FC		○	○	●	●		●	
AIT	AIT-1	SCSI		●	●	●	●		●	
	AIT-2	SCSI		● HP-UX 11 only	●	●	●		●	
	AIT-3	SCSI	●	●	●	●	●	●	●	
	AIT-4	SCSI		●	●	●	●	●	●	●
		FC		○	○	○	○	○	○	○
	AIT-5	SCSI		○	○	○	○	○	○	○
		FC		○	○	○	○	○	○	○
	S-AIT	SCSI		●	●	●	●	●	●	●
FC			○	○	○	○	○	○	○	
	Sony AIT1, AIT2, AITE Turbo	SCSI		●	●	●	●	●	●	
DAT	HP StorageWorks 160, 320, 72, 40	SAS		○	○	○	●		●	
DDS	DDS-2, DDS-3, DDS-4, DDS-5	SCSI		●	●	●	●		●	

² IBM drivers for Linux not supported

● = available (certified)
 ○ = available (supported)

Technology	Model	Connection	Worm	HP UX	IBM AIX	SUN Solaris	Linux ³	Mac OS X	Windows	
DLT	DLT 4000	SCSI		●	●	●	●		●	
	DLT 7000	SCSI		●	●	●	●		●	
		Ethernet		●	●	●	●		●	
	DLT 8000	SCSI		●	●	●	●	●	●	
	Quantum DLT-V4	SCSI		●	●	●	●	●	●	
	VS80 Benchmark DLT-1	SCSI		●	●	●	●		●	
	HP VS80, VS160	SCSI		●	●	●	●		●	
	SuperDLT firmware v36 or later	SCSI			●	●	●	●		●
		Ethernet			●	●	●	●		●
	SuperDLT 320	SCSI			●	●	●	●	●	●
	SuperDLT 600	SCSI			●	●	●	●		●
		FC			○	○	○	○		○
DLT-S4	SCSI			●	●	●	●	●	●	
	FC			○	○	○	○	○	○	
DTF-2	Sony DTF-2	SCSI		●	●	●	●		●	
DVD	DVD-RAM	SCSI							●	
IBM	IBM 3590 B1A and E1A	SCSI			●					
	IBM 3592 J1A	FC	●	●	●	●	●	●	●	
	IBM TS1120, TS1130	FC	●	●	●	●	●	●	●	
	IBM TS1140	FC	●	○	○	○	●	●	●	
	IBM TS1150	FC	●	○	○	○	●		●	

³ IBM drivers for Linux not supported

●	= available (certified)
○	= available (supported)

Technology	Model	Connection	Worm	HP UX	IBM AIX	SUN Solaris	Linux ⁴	Mac OS X	Windows	
LTO HPE	HP LTO-1 Ultrium 215/230/232	SCSI		●	●	●	●	●	●	
		FC		○	○	○	○		○	
	HP LTO-2 Ultrium 448/460	SCSI			●	●	●	●		●
		FC			○	○	○	○		○
	HP LTO-2 Ultrium 448	SAS		○	○	○	●		●	
	HP LTO-3 Ultrium 920 / 960 / 960 4GB	SCSI	●		●	●	●	●	●	●
		FC	●		●	●	●	●	●	●
	HP LTO-3 Ultrium 920	SAS	●		○	○	●	●	●	
	HP LTO-4 Ultrium 1760	SCSI	●		●	●	●	●	●	●
		SAS	●		○	○	○	●		●
		FC			○	○	○	○	○	○
	HP LTO-4 Ultrium 1840	SCSI	●		●	●	●	●	●	●
		SAS	●		○	○	●	●		●
		FC	●		○	○	○	○	○	○
	HP LTO-5 Ultrium 3280 FH	SAS	●		○	○	●	●	○	●
		FC	●		○	●	○	●	○	●
	HP LTO-5 Ultrium 3000 HH	SAS	●		○	○	●	●	○	●
		FC	●		○	○	○	○	○	○
HP LTO-6 Ultrium 6250, 6650	SAS	●		○	○	○	●	○	●	
	FC	●		●	●	●	●	●	●	
HPE LTO-7 Ultrium 15750, 15000	SAS	●		●	●	●	●	●	●	
	FC	●		●	●	●	●	●	●	
LTO IBM	IBM LTO-1 Ultrium, IBM LTO-2 Ultrium	SCSI		●	●	●	●	●	●	
		FC		●	●	●	●		●	
	IBM LTO-3 Ultrium	SCSI	●		●	●	●	●	●	●
		FC	●		○	○	○	○	○	○
		SAS			●	○	●	●		○

⁴ IBM drivers for Linux not supported

● = available (certified)
 ○ = available (supported)

				HP UX	IBM AIX	SUN Solaris	Linux ⁵	Mac OS X	Windows
Technology	Model	Connection	Worm						
LTO IBM	IBM LTO-4 Ultrium	SCSI	●	○	○	○	○	○	○
		FC	●	●	●	●	●	●	●
		SAS	●	○	○	●	●		●
	IBM LTO-4 Ultrium HH	SAS	●	○	○	●	●		●
	IBM LTO-5 HH / FH	SAS	●	○	●	●	●	○	●
		FC	●	○	○	○	○	○	○
	IBM LTO-6 HH / FH	SAS	●	○	○	○	●	●	●
		FC	●	○	○	○	●	●	●
	IBM LTO-7 Ultrium	SAS	●	○	○	○	●	●	●
		FC	●	○	○	○	●	●	●
LTO Quantum	Quantum LTO-2	SCSI		●	●	●	●	●	●
	Quantum LTO-3	SCSI		●	●	●	●	●	●
	Quantum LTO-3, LTO-4	SAS	●	○	○	●	●		●
	Quantum LTO-4	SCSI		●	●	●	●	●	●
	Quantum LTO-5	SAS	●	○			○	●	○
		FC	●	○	○	○	○	○	○
	Quantum LTO-6	FC	●	○	○	○	●	●	●
		SAS	●	○	○	○	○	○	○
	Quantum LTO-7	SAS	●	○	○	○	●	●	●
		FC	●	○	○	○	●	●	●
LTO Seagate	Seagate LTO-1 Ultrium	SCSI		●	●	●	●	●	

⁵ IBM drivers for Linux not supported

- = available (certified)
- = available (supported)

Technology	Model	Connection	Worm	HP UX	IBM AIX	SUN Solaris	Linux ⁶	Mac OS X	Windows
LTO Tandberg	Tandberg 420LTO	SCSI		●	●	●	●	●	●
	Tandberg LTO-2 HH	SCSI		●	●	●	●		●
		SAS					●		●
	Tandberg LTO-3 HH	SCSI	●	●	●	●	●	●	●
		SAS	●				●		●
	Tandberg LTO-4 HH	SCSI	●	●	●	●	●	●	●
		SAS	●				●	○	●
	Tandberg LTO-5	SAS	●	○			○	○	○
		FC	●	○	○	○	○	○	○
	Tandberg LTO-5	SAS	●	○			○	○	○
Tandberg LTO-6	SAS	●	○	○	○	●	○	●	
	FC	●	●	●	●	●	●	●	
Magneto-Optical ⁷	Magneto-Optical 2.6GB	SCSI		●	●	●			●
	Magneto-Optical 5.2GB	SCSI		●	●	●			●
	Magneto-Optical 9.1GB	SCSI			●	●			●
	Sony F551	SCSI		●	●	●			●
	Sony F561 9.1GB	SCSI			●	●			●
Mammoth	Exabyte Mammoth	SCSI			●	●	●		●
	Exabyte Mammoth 2	SCSI		●	●	●	●	●	●
		FC			●	●	●		●
SLR Tandberg	DLT-V4	SCSI		●	●	●	●	●	●
	SLR 32	SCSI		●	●	●	●		●
	SLR 50	SCSI			●	●	●		●
	SLR 100	SCSI		●	●	●	●		●
	SLR 140	SCSI			●	●	●		●
UDO	Plasmon UDO, UDO-2	SCSI	●	●	●			●	
VXA	Ecrix VXA	SCSI		●	●	●	●		●
	Exabyte VXA-2, VXA-3	SCSI		●	●	●	●	●	●
		Firewire							●

⁶ IBM drivers for Linux not supported

⁷ Support only robotized or automatic double-face

Library Support

Caution: the information below is valid for libraries only. The compatibility between the drives and the operating system is displayed in the “Drive Support” table.

You need to check both the “Drive Support” and the “Library Support” tables. To ensure support of the backup hardware, the library itself and each kind of drive it uses must be supported by the operating system(s) of the servers(s) it will be connected to.

Disclaimer: the information about library support hereafter is strictly related to the hardware manufacturers. No support can be assumed for any OEM version that might exist.

● = available

Manufacturer	Model	HP UX	IBM AIX ^{8 9}	SUN Solaris	Linux	Mac OS X	Windows
BDT Solutions	Autoloader Thinstor	●	●	●	●	●	●
Breece Hill	Q16, Q2.15, Q40, Q47, Q4.30/50, Q6.100, Q7	●	●	●	●	●	●
Compaq	SSL 2000 Series	●	●	●	●	●	●
	MSL 5000 series	●	●	●	●	●	●
	TL 810 / 812, TL 820 / 822, TL 881 / 891	●	●	●	●	●	●
	TL 895						
	TZ 875 / TZ 885				●	●	●
	TZ 877 / TZ 887	●		●	●	●	●
	TLS 10000	●	●	●	●	●	●
	Autoloader DAT 20/40	●	●	●	●	●	●
	SuperLoader 1280	●	●	●	●	●	●
	Dell	120T, 122T, 124T, 128T	●	●	●	●	●
130T, 132T, 136T, 160T		●	●	●	●	●	●
ML6000 Series		●	●	●	●	●	●
TL2000, TL 4000		●	●	●	●	●	●
Ecrix	AutoPak 15 / 30	●	●	●	●	●	●

⁸ SAS connection is not supported on IBM AIX

⁹ AIX platform supports up to 8 library devices

Manufacturer	Model	HP UX	IBM AIX ^{10 11}	SUN Solaris	Linux	Mac OS X	Windows
Exabyte	230 D, 690 D	●	●	●	●	●	●
	Exb 10 E / 10 H / 10 I	●	●	●	●	●	●
	Exb 17D, 18D, 110, 210, 215, 218, 220, 221, 430, 440, 480, 608	●	●	●	●	●	●
	Exb EZ17	●	●	●	●	●	●
	X80, X200	●	●	●	●	●	●
	Autopak	●	●	●	●	●	●
	Magnum 1x7	●	●	●	●	●	●
	Magnum 8x143 ¹² , 224, 448	●	●	●	●	●	●
	VXA2, VXA3 Packetloader 1x10 1U	●	●	●	●	● ¹³	●
Fujitsu	ETERNUS LT 20/40/60 S2 Series	●	●	●	●	●	●
	LT60, 160, 260	●	●	●	●	●	●
	FibreCAT TX24, TX48	●	●	●	●	●	●
Grau Data Storage	Infinistore <small>(Library Sharing Module not supported)</small>	●	●	●	●	●	●
	ITL Series	●	●	●	●	●	●
Hewlett Packard Enterprise	1/8 & 1/8 G2	●	●	●	●	●	●
	EML/ESL E-Series	●	●	●	●	●	●
	ESL G3 Series	●	●	●	●	●	●
	MSL 2024/4048/8048/8096, 5000, 6000, MSL 6480	●	●	●	●	●	●
IBM	7331, 7332		●		●	●	
	7337 DLT Library	●	●	●	●	●	●
	MP 3570, 3575		●	●			●
	TS2900, TS3100, TS3200, TS3310, TS3500, TS4500	●	●	●	●	●	●
	3581, 3582, 3583, 3584, 3600 R20, 3623LX, 4560	●	●	●	●	●	●

¹⁰ SAS connection is not supported on IBM AIX

¹¹ AIX platform supports up to 8 library devices

¹² Library Partition is supported

¹³ Firewire supported

Manufacturer	Model	HP UX	IBM AIX ¹⁴ 15	SUN Solaris	Linux	Mac OS X	Windows
M4 Data	MagFile	●	●	●	●	●	●
NEC	T40A / T40A2 T16A / T16A2	●	●	●	●	●	●
	LL009F	●	●	●	●	●	●
Overland Storage	Arcvault	●	●	●	●	●	●
	L4960E	●					
	LibraryPro, LoaderXpress LXB / LXG / LXC, LoaderXpress LXS/LXL PowerLoader LXM	●	●	●	●	●	●
	NEOs 200s, 400s NEOs 2000, 4000, 8000 NEOs 2000e, 4000e, 8000e NEOs T24, T48, NEOs StorageLoader NEOxl 60, 80	●	●	●	●	●	●
Plasmon	MP – Series, MP-Subsystem		●	●			●
	M-Series	●	●	●			●
	G-Series, Gx-Series	●	●	●	●	●	●
	LTO 10.1, 21.2, 100.6	●	●	●	●	●	●
Qualstar	RLS, TLS, XLS Series	●	●	●	●	●	●
Quantum	2500(xt)/4500, 2700(xt)/4700	●	●	●	●	●	●
	DLT Stor			●	●	●	●
	SuperLoader, SuperLoader 3	●	●	●	●	●	●
	ValueLoader	●	●	●	●	●	●
	DX30	●	●	●	●	●	●
	PX500 Series, PX720	●	●	●	●	●	●
	Scalar i3, i6	●	●	●	●	●	●
	Scalar 50, i40 /i80, i500, i2000, i6000	●	●	●	●	●	●

¹⁴ AIX platform supports up to 8 library devices

¹⁵ SAS connection is not supported on IBM AIX

Manufacturer	Model	HP UX	IBM AIX ¹⁶ 17	SUN Solaris	Linux	Mac OS X	Windows
Quantum ADIC	1200	●	●	●	●	●	
	FastStor, FastStor 2	●	●	●	●	●	●
	Scalar 24 ¹⁸ , 100, 218, 220, 458, 480, 1000,	●	●	●	●	●	●
	Scalar 10K	●	●	●	●	●	●
	VLS 4, 8	●	●	●	●	●	
Quantum ATL	Quantum ATL 2640	●	●	●	●	●	●
	Quantum ATL 4/52	●	●	●	●	●	●
	Quantum ATL 7/100	●	●	●	●	●	●
	M1500, M2500	●	●	●	●	●	●
	P 1000, P2000, P3000, P4000, P7000	●	●	●	●	●	●
	PowerStor L200	●	●	●	●	●	●
	PowerStor L500	●	●	●	●	●	●
	P series Ethernet	●	●	●	●	●	●
Seagate	Scorpion Autoloader	●	●	●	●	●	●
	Viper 2000	●	●	●	●	●	●

¹⁶ AIX platform supports up to 8 library devices

¹⁷ SAS connection is not supported on IBM AIX

¹⁸ iScsi supported.

Manufacturer	Model	HP UX	IBM AIX ¹⁹ 20	SUN Solaris	Linux	Mac OS X	Windows
Sony	152, 304	●	●	●	●	●	●
	TSL-A500, TSL-S9000, TSL-S11000	●	●	●	●	●	●
	LIB81, LIB-D81, LIB162	●	●	●	●	●	●
	Petasite	●	●	●	●	●	●
SpectraLogic ²¹	Spectra 2K, 10K, 20K, 64K	●	●	●	●	●	●
	Spectra T24/ T50 / T50e	●	●	●	●	●	●
	Spectra T120, T200, T380, T680, T950, T-Finity	●	●	●	●	●	●
Oracle StorageTek	9310 ACSLS required	See ACSLS compatibility					
	9710, 9714, 9730, 9738, 9740	●	●	●	●	●	●
	L20, L40, L80, L180, L700, L700e, L1400M	●	●	●	●	●	●
	L5500 ACSLS required	See ACSLS compatibility					
	SL24, SL48, SL150, SL50, SL3000 ²²	●	●	●	●		●
	SL8500 ACSLS required	See ACSLS compatibility					
	StorageTek C2, C4	●	●	●	●	●	●
Tandberg ²³	1210,1420 / 1440	●	●	●	●	●	●
	Autoloader 2U	●	●	●	●	●	●
	SLR Autoloader, StorageLoader/VXA	●	●	●	●	●	●
	StorageLibrary T24 / T40 / T48, T40+, T80+, T120+, T160+, T200+	●	●	●	●	●	●
	RDX QuikStation				●		●

¹⁹ AIX platform supports up to 8 library devices

²⁰ SAS connection is not supported on IBM AIX

²¹ Library Partition SpectraLogic feature is not supported with 20k and 64K libraries.

²² Supports ADI bridging.

²³ Requires Full Barcode reinitialization after library reboot.

Virtual Tape Library / Disk Storage Array

●	= available (certified)
⦿	= available (supported)

Manufacturer	Model	HP UX	IBM AIX	SUN Solaris	Linux	Windows	Mac OS
ADIC	Pathlight VX	●	●	●	●	●	
Copan	Revolution 220	●	●	●	●	●	●
Dell	DR4000				●	●	
Diligent Technologies	ProtectTIER & VTF Open					●	
EMC	DL210		●	●	●	●	●
	DL300 & 700 Series	●		●		●	
	DL1500 / DL3000	●	●	●	●	●	●
	DL4000, DL6000 Series	●	●	●	●	●	
EMC Data Domain	DD160 / DD160 / DD2500 / DD4200 / DD4500 / DD500 DD600 / DD800 / DD990 / DD7200	●	●	●	●	●	●
ExaStore	Exanet				●	●	
FalconStor	VTL	●	●	●	●	●	●
Fujitsu	ETERNUS CS High End (formerly CentricStor)	●	●	●	●	●	
	ETERNUS CS800	●	●	●	●	●	●
Hitachi Data Systems	HDS ProtecTIER, HDS ProtecTIER VTL 500M / 1000E / 1000L					●	
	HDS VTF Open					●	
Hewlett Packard Enterprise	HP D2D	●	●	●	●	●	●
	HP StoreOnce				⦿	●	
	HP VLS 6000 / 9000	●	●	●	●	●	●
IBM	TS7650 ProtecTIER	●	●	●	●	●	
NEC	HYDRAsstor				●	●	
Network Appliance	NearStore VTL	●	●	●	●	●	●
	VTL 300, 700, 1400	●	●	●	●	●	●
Nexsan	SataBeast				●	●	

●	= available (certified)
⦿	= available (supported)

Manufacturer	Model	HP UX	IBM AIX	SUN Solaris	Linux	Windows	Mac OS
Quadstor ²⁴	VTL				●	●	
Quantum	DX30 / DX100	●	●	●	●	●	
	DX3000, DX5000	●	●	●	●	●	●
	DXi4700 DXi2500/3500/ DXi5500/6500/7500 DXi6700/6701/6702 DXi6802 DXi6900 DXi8500 2TB	●	●	●	●	●	
	Sepaton	S2100	●	●	●	●	●
SGI/Copan	Revolution 220	●	●	●	●	●	●
	300M, 400M Native MAID	●	●	●	●	●	●
	300T, 400T TX VTL	●	●	●	●	●	●
Spectra Logic	v80, v160, v320, vX (nTier 500, 700)	●	●	●	●	●	●
Oracle StorageTek	VTL Plus	●	●	●	●	●	●
	VTL Prime	●	●	●	●	●	●
Overland	REO 1000, 4000, 9000	●	●	●	●	●	

²⁴ SIDF format is supported with VTL deduplication

Silo Support, Library Manager

		HP UX	IBM AIX	SUN Solaris	Linux	Windows
Manufacturer	Model					
Oracle StorageTek	ACSL 7.1, 7.2, 8.0	●	●	●	●	●
	ACSL 7.3, 8.1	○	○	○	○	○
	ACSL 8.2			●	●	●
	ACSL 8.3, ACSL 8.4		●		●	●
	Library Station (LS)	●	●	●	●	
	Lib-Attach 1.4.2, 1.4.3	○	○	○		○

Content Address Storage

		HP UX	IBM AIX	SUN Solaris	Linux	Windows
Manufacturer	Model					
EMC	Centera	●	●	●	●	●