



# TIME NAVIGATOR

Hardware Compatibility Guide  
for Tina 2020  
October 2020



# Automated Library Management

## Drive Support <sup>1</sup>

This guide shows library and drive support with Time Navigator 4.6.6 (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.

	= available (certified)
	= available (supported)

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<sup>1</sup> WORM technology is not supported except those indicated in the Worm table

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## Drive Support

Technology				HP UX	IBM AIX	SUN Solaris	Linux <sup>2</sup>	Windows
Disk Drive	Model	Connection	Worm					
Disk Drive	Atempo Disk Drive	SCSI FC		●	●	●	●	●
StorageTek	9840A	SCSI		●	●	●	●	●
	9840B	FC		●	●	●	●	●
	9840C, 9840D	FC		●	●	●	●	●
	9940A	SCSI		●	●	●		●
	9940B	FC		●	●	●	●	●
	T10000-C	FC		○	○	○	○	●
	T10000-D	FC		○	○	●	●	●
IBM	IBM 3590 B1A and E1A	SCSI			●			
	IBM 3592 J1A	FC	●	●	●	●	●	●
	IBM TS1150, TS1155, TS1160	FC	●	○	○	○	●	●
LTO HPE	HP LTO-6 Ultrium 6250, 6650	SAS	●	○	○	○	●	●
		FC	●	●	●	●	●	●
	HPE LTO-7 Ultrium 15750, 15000	SAS	●	●	●	●	●	●
		FC	●	●	●	●	●	●
	HPE LTO-8	SAS	●	●	●	●	●	●
		FC	●	●	●	●	●	●
LTO IBM	IBM LTO-6 HH / FH	SAS	●	○	○	○	●	●
		FC	●	○	○	○	●	●
	IBM LTO-8 Ultrium	SAS	●	○	○	○	●	●
		FC	●	○	○	○	●	●
LTO Quantum	Quantum LTO-6	FC	●	○	○	○	●	●
		SAS	●	○	○	○	○	○
	Quantum LTO-7	SAS	●	○	○	○	●	●
		FC	●	○	○	○	●	●
	Quantum LTO-8	SAS	●	○	○	○	●	●
		FC	●	○	○	○	●	●

<sup>2</sup> IBM drivers for Linux not supported

Technology	Model	Connection	Worm	HP UX	IBM AIX	SUN Solaris	Linux <sup>3</sup>	Windows
LTO Tandberg	Tandberg LTO-6, 7, 8	SAS	●	○	○	○	●	●
		FC	●	●	●	●	●	

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<sup>3</sup> IBM drivers for Linux not supported

## 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.

Manufacturer	Model	HP UX	IBM AIX <sup>4 5</sup>	SUN Solaris	Linux	Windows
Dell	120T, 122T, 124T, 128T	●	●	●	●	●
	130T, 132T, 136T, 160T	●	●	●	●	●
	ML6000 Series, ML3	●	●	●	●	●
	TL2000, TL 4000	●	●	●	●	●
Fujitsu	ETERNUS LT 20/40/60 S2 Series	●	●	●	●	●
	LT60, 160, 260	●	●	●	●	●
	FibreCAT TX24, TX48	●	●	●	●	●
HPE	EML/ESL E-Series	●	●	●	●	●
	ESL G3 Series	●	●	●	●	●
	MSL 2024/3040/4048/8048/8096, 5000, 6000, MSL 6480	●	●	●	●	●
IBM	TS2900, TS3100, TS3200, TS3310, TS3500, TS4500	●	●	●	●	●
	3581, 3582, 3583, 3584, 3600 R20, 3623LX, 4560	●	●	●	●	●
NEC	T40A / T40A2 T16A / T16A2	●	●	●	●	●
	LL009F	●	●	●	●	●

<sup>4</sup> SAS connection is not supported on IBM AIX

<sup>5</sup> AIX platform supports up to 8 library devices

		HP UX	IBM AIX <sup>6 7</sup>	SUN Solaris	Linux	Windows
Manufacturer	Model					
Overland Tandberg	NEOs 200s, 400s NEOs 2000, 4000, 8000 NEOs 2000e, 4000e, 8000e NEOs T24, T48, NEOs StorageLoader NEOxl 60, 80	●	●	●	●	●
Qualstar	RLS 8350, 8500, 8560, 85120 TLS XLS 8161100 Q24, Q40, Q80	●	●	●	●	●
Quantum	Scalar i3, i6, , i40 /i80, i500, i2000, i6000, Scalar 50, 10K	●	●	●	●	●
Sony	Petasite	●	●	●	●	●
SpectraLogic <sup>8</sup>	Spectra T24/ T50 / T50e	●	●	●	●	●
	Spectra T120, T200, T380, T680, T950, T-Finity	●	●	●	●	●
	Stack	●	●	●	●	●
Oracle StorageTek	9310 ACSLS required					
	9730, 9738	●	●	●	●	●
	L5500 ACSLS required					
	SL150, SL50, SL3000, SL4000 <sup>9</sup>	●	●	●	●	●
	SL8500 ACSLS required					

<sup>6</sup> SAS connection is not supported on IBM AIX

<sup>7</sup> AIX platform supports up to 8 library devices

<sup>8</sup> Library Partition SpectraLogic feature is not supported with 20k and 64K libraries.

<sup>9</sup> Supports ADI bridging.

## Virtual Tape Library / Disk Storage Array

Manufacturer	Model	HP UX	IBM AIX	SUN Solaris	Linux	Windows	macOS
Amazon	AWS Storage Gateway				○	○	
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	DD 6300 (ex. DD 2500) DD 6800 (ex. DD 4200 / DD 4500) DD 9300 (ex. DD 7200) DD 9800 (ex. DD 9500)	●	●	●	●	●	●
ExaGrid					○	○	
ExaStore	Exanet				●	●	
FalconStor	VTL	●	●	●	●	●	●
Fujitsu	ETERNUS CS High End <i>(formerly CentricStor)</i>	●	●	●	●	●	
	ETERNUS CS800	●	●	●	●	●	●
Hitachi Data Systems	HDS ProtectTIER, HDS ProtectTIER VTL 500M / 1000E / 1000L					●	
	HDS VTF Open					●	
HPE	HP D2D	●	●	●	●	●	●
	StoreOnce VSA (Gen 4) StoreOnce 3620, StoreOnce 3640 StoreOnce 5200/5250, StoreOnce 5650				○	●	
	HP VLS 6000 / 9000	●	●	●	●	●	●
		●	●	●	●	●	●
IBM	TS7650 ProtectTIER	●	●	●	●	●	
NetApp	Cloud Backup (formerly AltaVault)				○	○	
NEC	HYDRAsTOR				●	●	
Network Appliance	NearStore VTL	●	●	●	●	●	●



	VTL 300, 700, 1400	●	●	●	●	●	●
Nexsan	SataBeast				●	●	

Manufacturer	Model	HP UX	IBM AIX	SUN Solaris	Linux	Windows	macOS
Overland Tandberg <sup>10</sup>	RDX QuikStation				●	●	
Oracle StorageTek	VTL Plus	●	●	●	●	●	●
	VTL Prime	●	●	●	●	●	●
Quadstor <sup>11</sup>	VTL				●	●	
Quantum	DX30 / DX100	●	●	●	●	●	
	DX3000, DX5000	●	●	●	●	●	●
	DXi4700						
	DXi2500/3500/ DXi4800						
	DXi5500/6500/7500	●	●	●	●	●	
	DXi6700/6701/6702 DXi6802 DXi6900 DXi8500 2TB DXi9000						
Sepaton	S2100	●	●	●	●	●	●
SGI/Copan	Revolution 220	●	●	●	●	●	●
	300M, 400M Native MAID	●	●	●	●	●	●
	300T, 400T TX VTL	●	●	●	●	●	●
Spectra Logic	v80, v160, v320, vX (nTier 500, 700)	●	●	●	●	●	●

<sup>10</sup> Requires Full Barcode reinitialization after library reboot.

<sup>11</sup> 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	●	●	●	●	●