

Tandberg SLR140

The newest member of the industries most reliable tape drive, the new Tandberg SLR140 5.25 inch half height tape drive, offers high capacity and performance at an extremely affordable price.



Special functions

- Up to 140 GB* capacity with 43 GB*/h transfer rate
- Ultra 2 LVD/SE interface
- "Auto Sense" transfer rate and in-line data compression for optimum performance
- Backwards compatible to SLR100, 75, 60, 50, 40, 7
- Scalable to future SLR tape drives
- TapeAlert™ and Media Management preventive maintenance feature
- 3 year warranty
- Broad platform, operating system and 3rd party tape application support

Tandberg SLR140 is the next generation SLR tape drive based on the highly reliable SLR technology platform that has gained industry recognition for its quality and reliability. The standard 5.25-inch half height form-factor allows easy installation and integration into most PC servers and workstations.

Tandberg SLR140 is backwards compatible to lower capacity tape drives such as SLR100, SLR75, SLR60, SLR50, SLR40 and SLR7 allowing current and new SLR customers to migrate from lower to higher performance and capacity while protecting their investments.

The Tandberg SLR140 has many features that are only found in more expensive tape drives such as "Auto Sense" which allows the SLR140 tape drive to receive data from the host at variable transfer rates for optimal performance

on slower buses. The Tandberg SLR140 also has in-line data compression which provides an effective compression method that maximises system performance. Tandberg SLR140 also has a media management utility built into the drive's firmware that monitors the drive and media performance and provides the user with value preventive maintenance information.

The Tandberg SLR140 tape drive is available in internal and external configurations and also as complete turnkey solutions, which include award-winning server Computer Associates BrightStor ARCserve application software for Windows Server and Novell Netware platforms. The Tandberg SLR tape drive family protects your tape storage investments by offering one of the most reliable, scalable and backwards compatible tape drive technologies available.

* Assuming 2:1 data compression.

Technical specifications Tandberg SLR140

TECHNICAL SPECIFICATIONS		
Drive	Tandberg SLR140	
Capacity (formatted) Native/Compressed*:	70 /140* GB	
Buffer Size:	8MB	
Data Transfer Rate Native Sustained:	6MB/s	
Compressed Sustained*:	12MB/s (43GB*/h)	
Burst:	40MB/s	
File Access Time: Typical:	99 sec	
Media Load Time: Typical:	< 30 sec	
System Interface:	SCSI-3, Multimode Wide Ultra (SE)/Ultra2 (LVD)†	
Tape Alert Compliant:	Yes	
Drive Warranty:	3 years Factory	
Format, Compatibility and Media		
Recording Format:	ALRF-6 (Advanced Linear Recording Format)	
Encoding/Decoding:	VR ² RLL	
Number of Tracks:	192 data tracks (+24 servo tracks)	
Written bit density:	186 kfc	
Write compatibility:	SLR140, SLR100, SLR75, SLR60, SLR50, SLR40	
Read compatibility:	SLR140, SLR100, SLR75, SLR60, SLR50, SLR40, SLR7	
Media:	SLRtape140	
Media Data Retention (Archival Life):	> 20 years	
Reliability and Error Correction		
Hard Error Rate:	< 10 ⁻¹⁷	
Reed Solomon ECC:	Level 10	
Mean Time Between Failure (MTBF): Hours:	300 000	
Mean Time To Repair (MTTR):	< 30 min	
Tape Motion		
Tape speed: Read/Write:	86 ips or 70 ips, auto selected depending on tape format and host transfer rate	
Wind/Rewind:	105 ips	
Start/Stop Time (typical at 86.3 ips):	380 ms / 250 ms	
Dimensions		
	Internal Drive	External Drive
Form Factor	- 5.25-inch half height (HH) -	
Height/Width/Depth:	H 1.732 in (44mm), W: 5.905 in (150 mm), D: 8.583 in (218 mm)	H: 2.5 in (64.5 mm), W: 8.1 in (205 mm), D: 10.5 in (267 mm)
	Weight: 2.4 lb (1.1 kg)	Weight: 5.7 lb (2.6 kg)
Power Requirements (Typical)		
Power Consumption:	+5Vdc excl. bus terminator 1.5/ 1.2A (sleep mode)	N/A
	+12Vdc motor not running 100 mA	N/A
	+12Vdc motor running 1.3A	N/A
Standby:	7.2W /Running: 23.1 W	N/A
	N/A	100-240Vac/0.6-0.3A, 50-60 Hz
Voltage Variations:	+5Vdc +/-5% including 125mV max. ripple	N/A
	+12Vdc +/- 10% including 200 mV max. ptp ripple	N/A
Environmental Specifications		
Temperature: Operating (Storage):	+5°C to +40°C/41°F to +104°F ² (-30°C to +60°C/-22°F to +140°F)	
Relative Humidity: Operating (Transport):	20 to 80% (5 to 95%)	
Maximum Wet Bulb Temperature:	+26°C /+79°F	
Altitude - Feet (m):	Operating: 13,000 Feet (4,000 m); Transport: 40,000 Feet (12,200m)	
Regulatory Agency Approvals		
	UL 1950, CAN/CSA-C22.2 No 950, EN 60950, IEC 60950, AS/NZS 3548, EN 55022 (CISPR22);	
	FCC part 15 Class B, ICES-003, VCCI, EN55024, CE, C-Tick	

* 2:1 Hardware Data Compression, †Burst transfer rate is limited to 40 MB/s (20 megatransfer), ‡Internal drive ability to meet specifications is dependent on installation configuration

Tandberg SLR140 Configurations				
Item	Drive Kit		Complete Solution	
	Internal	External	Internal	External
BrightStor ARCserve for WIN/NW			X	X
Internal SCSI Wide Cable with Termination (removable)	X		X	
External SCSI Wide Cable, External SCSI Terminator (LVD/SE), Power Cable		X		X
Data Cartridge (1 or 5), Cleaning Cartridge, Tandberg Resource CD	X	X	X	X

Tandberg Data Solutions	SLR140
BrightStor ARCserve v9 for Windows NT, 2000, 2003 and Novell Netware	Complete solution available
Operating system support: Windows NT/2000/XP/2003, Sun Solaris, AIX, SCO-Unix, UnixWare, UNIX, HP-UX, Linux	Supported in operating system
Macintosh, Windows 98, ME, NT Workstation, Windows XP	Support available through other software

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