

TANDBERG SLR SERIES



Product Highlights

- SLR7, 75, 100 and 140
- Up to 140 GB* capacity
- Transfer rates of up to 43 GB/Hr*
- Ultra LVD/SE interface
- TapeAlert™ and Media Management
- Auto Sense transfer rates
- Backward read and write compatibility

*assuming 2:1 data compression

RELIABILITY, SCALABILITY AND COMPATIBILITY

The Tandberg SLR 5.25 inch half height tape drives offer high capacity and performance at a very competitive total cost of ownership. The highly reliable SLR technology platform has gained industry recognition for its quality and reliability. The standard 5.25-inch half height form-factor allows for easy installation and integration into most PC servers and workstations.

Feature-Rich

Tandberg SLR Series is backwards compatible, allowing SLR customers to migrate from lower to higher performance and capacity while protecting their investments. SLR drives offer many enterprise level features such as 'Auto Sense' which allows the tape drives to receive data from the host at variable transfer rates for optimal performance on slower buses. The Tandberg SLR also offers in-line data compression, which provides an effective compression method that maximises system performance. The SLR media management utility, built into the drive's firmware, monitors the drive and media performance and provides the user with valuable preventive maintenance information.

Configuration

The Tandberg SLR drives are available in internal and external configurations and as complete turnkey solutions, including backup software. The 5.25 inch half height form factor provides easy installation in a half height bay in most PC servers and workstations. The Ultra 2 Wide/LVD/SE SCSI interface allows for installation in both LVD and single ended systems. The SLR Series is compatible with all major operation systems, third party software applications and PC platforms. The Tandberg SLR tape drives protect your tape storage investments by offering one of the most reliable, scalable and backwards compatible tape technologies available.

Reasons to select the Tandberg SLR Series

■ Reliability

Built on Tandberg Data's extensive experience in magnetic recording. TapeAlert™ and Media Management offer preventative maintenance and low failure rates.

■ Investment Protection

Backward read and write compatibility allows customers to migrate to higher performance and capacity whilst protecting investments

■ Low Total Cost of Ownership (TCO)

Leading reliability with failure rates below 1.5%, lowering total cost of ownership

■ Trusted platform

Broad platform, operation systems and 3rd party tape application support



About Tandberg Data

Tandberg Data is a leading global supplier and manufacturer of tape drives, tape automation and disk sub-systems. Tandberg Data offers solutions based on the LTO™, SLR™ and VXA™ tape technology platforms, storage software, media and disk-based storage. All solutions are designed to meet the growing storage requirements of small and medium-sized organisations with scalability, reliability and backward compatibility features that ensure cost effective operation and long-term investment protection. Tandberg Data has been proudly servicing its customers for over 25 years, and customer service is fundamentally important to Tandberg Data.

Specifications

Tape Drive	SLR7	SLR75	SLR100	SLR140				
Capacity (native):	20 GB	38 GB	50 GB	70 GB				
Capacity (compressed)*:	40 GB*	75 GB*	100 GB*	140 GB*				
Transfer Rate (native):	3 MB/s	4 MB/s	5 MB/s	6 MB/s				
Transfer Rate (compressed)*:	6 MB/s*	8 MB/s*	10 MB/s*	12 MB/s*				
Transfer Rate Burst:	40 MB/s	40 MB/s	40 MB/s	40 MB/s				
Buffer Size:	8 MB	8 MB	8 MB	8 MB				
File Access Time:	< 89 sec.	< 68 sec.	< 89 sec.	99 sec.				
Media Load Time:	< 30 sec.	< 30 sec.	< 30 sec.	< 30 sec.				
System Interface:	SCSI-3 LVD	SCSI-3 LVD, Multimode Wide Ultra (SE)/Ultra2 (LVD)	SCSI-3 LVD, Multimode Wide Ultra (SE)/Ultra2 (LVD)	SCSI-3 LVD, Multimode Wide, Ultra (SE)/Ultra2 (LVD)				
TapeAlert Compliant:	yes	yes	yes	yes				
Drive Warranty:	3 years	3 years	3 years	3 years				
Format, Compatibility and Media								
Recording Format:	ALRF-2	ALRF-1 (Advanced Linear Recording Format)	ALRF-1	ALRF-6				
Encoding / Decoding:	VR RLL	VR RLL	VR RLL	VR RLL				
Number of Tracks:	72 data tracks	192 data tracks (+24 servo tracks)	192 data tracks (+24 servo tracks)	192 data tracks (+24 servo tracks)				
Written bit density:	152.4 kfci	152.4 kfci	152.4 kfci	186 kfci				
Write:	SLR7	SLR75, SLR60, SLR50, SLR40	SLR100, 75, 60, 50, 40	SLR140, 100, 75, 60, 50, 40				
Read:	SLR7, SLR5	SLR75, 60, 50, 40, 32, 24, 7, 5, 4	SLR100, 75, 60, 50, 40, 32, 24, 7	SLR140, 100, 75, 60, 50, 40, 7				
Media:	SLRtape 7	SLRtape 75	SLRtape 100	SLRtape 140				
Media Data Retention (Archival Life):	> 20 years	> 20 years	> 20 years	> 20 years				
Reliability and Error Correction								
Hard Read Error Rate:	< 10 ⁻¹⁶	< 10 ⁻¹⁷	< 10 ⁻¹⁷	< 10 ⁻¹⁷				
Reed Solomon ECC:	Level 10, 8 interleaves	Level 10	Level 10	Level 10				
Mean Time Between Failure (MTBF):	300,000 hours @ 20% duty cycle	300,000 hours @ 20% duty cycle	300,000	300,000				
Mean Time To Repair (MTTR):	< 30 min	< 30 min	< 30 min	< 30 min				
Tape Motion								
Tape Speed (Read / Write):	105.0 ips	51.7 or 70.0 ips auto selected	52.5 or 70.0 or 87.5 ips auto selected	86 ips or 70 ips auto selected				
Tape Speed (Wind / Rewind):	105.0 ips	103 ips	103 ips	105 ips				
Start / Stop Time:	380 ms / 250 ms	360 ms / 220 ms	380 ms / 250 ms	380 ms / 250 ms				
Dimensions								
Form Factor:	Internal	External	Internal	External	Internal	External	Internal	External
Height:	1.732 in	4.44 in	1.732 in	2.5 in	1.732 in	4.44 in	1.732 in	2.5 in
Width:	5.905 in	7.610 in	5.905 in	8.1 in	5.905 in	7.610 in	5.905 in	8.1 in
Depth:	8.583 in	12.262 in	8.583 in	10.5 in	8.583 in	12.262 in	8.583 in	10.5 in
Weight:	2.4 lb	9.02 lb	2.4 lb	9.02 lb	2.4 lb	9.02 lb	2.4 lb	5.7 lb
Power Requirements (Typical)								
Power Consumption:	Internal		External Drive					
Standby:	+5Vdc excl. bus terminator 1.5 / 1.2A (sleep mode), +12Vdc motor not running		100 mA, 12Vdc motor running 1.3A (internal)					
Voltage Variations:	7.2 W / Running: 23.1 W		100 – 240 VAC / 0.6 – 0.3A, 50 – 60 Hz					
	+5Vdc +- 5% incl. 125 mV max. ripple, +12Vdc+- 10% incl. 200 mV max. , ptp ripple							
Environmental Specifications								
Temperature - Operating (Storage):	5°C to 40°C/41°F to 104°F, (-30°C to 60°C/-22°F to 140°F)							
Relative Humidity - Operating (Storage):	20% - 80% (5% - 95%)							
Maximum Wet Bulb Temperatur:	26°C / 79°F							
Altitude - Feet (m) (Operating):	13 000 Feet (4,000 m)							
Altitude - Feet (m) (Transport):	40 000 Feet (12,200 m)							
Regulatory Agency Approvals:	UL1950, CAN/CSA-C22.2, No950, EN60950, IEC60950, AS/NZS3548, EN55022 (CISPR22); Class B, FCC part 15 Class B, ICES-003, VCCI, EN61000-3-2, EN61000-3-3, EN55024 CE, C-Tick							

* assumes 2:1 data compression

Modelnumbers

SLR140, XE Kit, External tape drive, grey, 5 DC + 1 CC	6935
SLR100, XE Kit, External tape drive, grey, 5 DC + 1 CC	6937
SLR75, XE Kit, External tape drive, grey, 5 DC + 1 CC	6939
SLR7, XE Kit, External drive kit, grey, 5 DC + 1 CC	6941

(more configurations available from Tandberg Data pricelist)

Media

Tandberg SLR140 Data Cartridge	432687
Tandberg SLR100 Data Cartridge	431891-1
Tandberg SLR75 Data Cartridge	432746
Tandberg SLR7 Data Cartridge	432294-1
Tandberg SLR7-140 Cleaning Cartridge	965678-2

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