


# Tandberg SLR60

*For high end NT/UNIX Workstations, entry level NetWare and Windows NT/2000 small business servers, and small NT/UNIX midrange computers the SLR60 provides an affordable, highly reliable, high performance/capacity solution providing future scalability and backward compatibility.*



- Up to 60GB\* with 28.8GB\*/hr transfer rate
- Average file access time < 53sec, media load time < 30sec
- 8MB buffer and in line data compression
- Wide Ultra 2 / LVD/SE SCSI interface
- "Auto Sense" transfer rate
- Integration with the SLR Automation providing up to 2.4TB\* capacity
- Added security with TapeAlert™
- Broad platform, operating system and 3<sup>rd</sup> party tape application support
- 3-year warranty
- Features advanced encoding technology 

Designed for ultimate price/performance and superior reliability the SLR60 offers up to 60GB\* storage capacity and up to 28.8GB\*/hr transfer rate. Combined with the large 8MB buffer, in-line data compression and "Auto Sense" transfer rate, the SLR60 offers the best performance in its class. The soft load mechanism prevents unauthorized access and allows integration into SLR Autoloader and Libraries with storage capacities up to 2.4TB and over 115GB/hr.

The standard 5.25-inch half height form factor SLR60 provides easy installation in a half height bay in most PC servers and workstations. The Ultra 2 Wide / LVD/SE SCSI interface allows for installations in both LVD and single ended systems. SLR60 is compatible with all major

operating systems, third party software applications and PC platforms.

The Tandberg SLR60 secures your investment and future capacity and performance needs by offering one of the most scalable tape storage technologies available combined with backward compatibility to previous SLR products.

The Tandberg SLR60 is available as a complete turnkey solution including award winning PC server application software for Windows NT, Windows 2000 and Novell NetWare or as a drive kit including cable, media, cleaning cartridge and user guide (without software).

\* Assuming 2:1 Data Compression

## TECHNICAL SPECIFICATIONS

DRIVE		Tandberg SLR60	
Capacity (formatted)	Native/Compressed*:	30/60*GB	
Buffer Size:		8MB	
Data Transfer Rate	Native Sustained:	4.0MB/s, 3.0MB/s	
	Compressed Sustained*:	8.0MB/s (28.8 GB/hr), 6.0MB/s (21.6GB/hr)	
	Burst:	40MB/s	
File Access Time	Typical:	< 53 sec	
Media Load Time	Typical:	< 30 sec	
System Interface:		SCSI-3, Multimode Wide Ultra (SE)/Ultra2 (LVD) <sup>1</sup>	
Tape Alert Compliant:		YES	
Drive Warranty:		3 Year Factory	
Format, Compatibility and Media			
Recording Format:		ALRF-1 (Advanced Linear Recording Format)	
Encoding/Decoding:		VR <sup>2</sup> RLL	
Number of Tracks:		192 data tracks (+24 servo tracks)	
Written bit density:		152.4 kfc	
Backward Write:		SLR60, SLR50, SLR40	
Backward Read:		SLR60, SLR50, SLR40, SLR32, SLR24, SLR7, SLR5	
Media:		SLRtape 60	
Media Data Retention (Archival Life):		> 20 Years	
Reliability and Error Correction			
Hard Read Error Rate:		< 10 <sup>-17</sup>	
Reed Solomon ECC:		Level 10	
Mean Time Between Failure (MTBF)	Hours:	300 000 (20% duty cycle)	
Mean Time To Repair (MTTR):		< 30 min	
Tape Motion			
Tape Speed	Read/Write:	51.7 or 70.0 ips auto selected depending on tape format and host transfer rate	
	Wind/Rewind:	103 ips	
Start/Stop Time (typical at 70.0 ips):		360 ms / 220 ms	
Dimensions		Internal Drive	External Drive
Form Factor:		— Internal 5.25-inch half height (HH) —	
		Height: 1.732 in (44 mm)	Height: 4.44 in (113 mm)
		Width: 5.905 in (150 mm)	Width: 7.610 in (193 mm)
		Depth: 8.583 in (218 mm)	Depth: 12.262 in (311mm)
		Weight: 2.4 lb (1.1kg)	Weight: 9.02 lb (4.1kg)
Power Requirements (Typical)		Internal Drive	External Drive
Power Consumption:		+5Vdc excl. bus terminator 1.5 / 1.2 A (sleep mode)	N/A
		+12Vdc motor not running 100 mA	N/A
		+12Vdc motor running 1.3 A	N/A
Standby:		7.2 W / Running: 23.1 W	N/A
		N/A	100 - 240 Vac / 0.6 - 0.3 A, 50 - 60 Hz
Voltage Variations:		+5Vdc ± 5% including 125 mV 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 <sup>2</sup> (-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 (12 200 m)	
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.	
*Assuming 2:1 Data Compression. <sup>1</sup> Burst transfer rate is limited to 40 MB/s (20 megatransfer), <sup>2</sup> Internal drive ability to meet specifications is dependant on installation configuration.			

Specifications subject to change without notice. VR<sup>2</sup> is a registered trademark of Overland Data. All other trademarks are the property of their respective owners. ©2001 Tandberg Data. All Rights reserved. 03.01 Version 4. P/N 432188-04.

## TANDBERG SLR60 CONFIGURATIONS

Item	Drive Kit		Complete Solutions	
	Internal	External	Internal	External
CD Software Suite (with instruction manual on CD)			✓	✓
Internal SCSI Wide Cable with Termination (removable)	✓		✓	
External SCSI Wide Cable		✓		✓
External SCSI Terminator (LVD/SE)		✓		✓
Data Cartridge (1 or 5)	✓	✓	✓	✓
Power Cable		✓		✓
Cleaning Cartridge	✓	✓	✓	✓

## TANDBERG DATA SOLUTIONS

### SLR60

Work Group Edition: ARCserve®2000 for  
Windows 2000, NT and Netware

Other operating system support:  
Sun Solaris, AIX, SCO-Unix, UnixWare, UNIX,  
HP-UX, Linux

Macintosh, Windows 98, NT Workstation

- = Complete solution available.
- OS = Supported in operating system.
- = Support available through other software.



## OEM ASSURANCE

The world's largest providers of PC-servers, Workstations and Midrange Systems (Compaq, IBM, Sun, Fujitsu-Siemens) have chosen Tandberg SLR products for their outstanding price-performance, scalability, and reliability.

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Your Dealer:

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